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CRGANISM: Homo sapiens
FEATURE:
CTHER INFORMATION: Amino acid sequence of TADG-14
US-09-618-259-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  45.9%; Score 630.5; DB 4;
llarity 50.2%; Pred. No. 2.5e-53;
Conservative 24; Mismatches 93;
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                                                                                                                                                                           US-09-618-259-7; Application US/09618259; Sequence 7, Application US/09618259; Patent No. 6642013; GENERAL INFORMATION:
APPLICANT: O'Brien, Timothy J.
TITLE OF INVENTION: No. 6642013el Extracell; FILE REFERENCE: D6020CIP2; CURRENT APPLICATION NUMBER: US/09/618,259; CURRENT FILING DATE: 2000-07-18; PRIOR FILING DATE: 1998-08-21
NUMBER OF SEQ ID NOS: 72; LENGTH: 260
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Sequence 2, Application US/09070526

Patent No. 6100059

GENERAL INFORMATION:
APPLICANT: SOUTHAN, CHRISTOPHER
APPLICANT: CLINKENBEARD, HELEN
APPLICANT: BURGESS, NICOLA
TITLE OF INVENTION: No. 6100059e1 Co
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: RATNER & PRESTIA
STREET: P.O. BOX 980
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Best Local Similarity
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APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASS
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-10-03
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 6948
LENGTH: 254
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Pred. No. 1.5e-118;
0; Mismatches 0;
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Pred. No. 3.8e-71
; Mismatches
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; Sequence 6, Application US/09244111
; Patent No. 6566498
; GENERAL INFORMATION:
; APPLICANT: Ni, et al.
; TITLE OF INVENTION: Human Serine Protease ar FILE REFERENCE: PF391
; CURRENT APPLICATION NUMBER: US/09/244,111
; CURRENT FILING DATE: 1999-02-04
; EARLIER FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
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100.0%; Pr
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Best Local Similarity 64.:
Matches 159; Conservative
                                                                                                                                                                                                                                                                                                                          Local Similarity 100
1es 235; Conservative
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; ORGANISM: Human
US-09-949-016-6948
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LENGIH: 162
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                                                                                                                 2.0
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                                                                                                   DOS
for Windows Version
                                                                                                                                            US/09/025,059
                                                                                                                                                                                                         FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J
REGISTRATION NUMBER: 36,749
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Hillman, Jennifer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   28;
                                                                                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER: PF
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
TELEFAX: 650-845-4166
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Guegler, Karl
Corley, Neil (
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ilarity 49.0%;
Conservative 2.
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LENGTH: 260 amino acids
TYPE: amino acid
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Shah, Purvi
                                                                                                              SOFTWARE: FastSEQ for
CURRENT APPLICATION DATA
APPLICATION NUMBER: U
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PRIOR APPLICATION DATA:
APPLICATION NUMBER:
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1020091
                                                                      MEDIUM TYPE: Dis
COMPUTER: IBM CO
OPERATING SYSTEM:
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  Palo Alto
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hes 121; Conser
                                                        COMPUTER READABLE MEDIUM TYPE: Di
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INFORMATION FOR SEQ
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IMMEDIATE SOURCE:
LIBRARY: GenBa
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Tang, Y. Tom
APPLICANT: Corley, Neil C.
APPLICANT: Guegler, Karl J.
TITLE OF INVENTION: PROSTATE-ASSOCIATED SERINE PROTEASE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        45.6%; Score 626.5; DB 50.4%; Pred. No. 6.2e-53 ive 23; Mismatches 9
                                                                                                               for Windows Version 2.0
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CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
                                                                                                                                     APPLICATION NUMBER: US/09/070,526
FILING DATE: 30-APR-1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9711952.3
FILING DATE: 9-JUN-1997
APPLICATION NUMBER: EP 97309646.4
FILING DATE: 1-DEC-1997
ATTORNEY/AGENT INFORMATION:
NAME: PRESTIA, PAUL F
REGISTRATION NUMBER: 23,031
REGISTRATION NUMBER: 23,031
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; Sequence 3, Application US/09025059
; Patent No. 6075136
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
                                                                                                                                                                                                                                                                                                               TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-407-0700
TELEFAX: 610-407-0701
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strandedness: sinal
TOPOLOGY: 1:-
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                                                                                                               SOFTWARE: FASTSEQ for CURRENT APPLICATION DATA:
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                                                                        Diskette
                                                          COMPUTER READABLE FORM MEDIUM TYPE: Diskett
VALLEY FORGE
PA
                                                                                                 OPERATING SYSTEM:
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nes 122; Conser
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INFORMATION FOR SEC
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STREET: 31
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APPLICATION NUMBER: 60/048,964
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US-09-618-259-8
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YTNICRYLDW
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                                                                                                                                                     SYSTEM: DOS
FastSEQ for Windows Version 2.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    94;
         CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Dr.
CITY: Palo Alto
STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 8, Application US/09618259
Patent No. 6642013
GENERAL INFORMATION:
APPLICANT: O'Brien, Timothy J.
APPLICANT: Underwood, Lowell J.
TITLE OF INVENTION: No. 6642013el Extracellular
FILE REFERENCE: D6020CIP2
CURRENT APPLICATION NUMBER: US/09/618,259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 622.5; DB :
Pred. No. 1.5e-52
                                                                                                                                                                                                                                                                                NAME: Mohan-Peterson, Sheela
REGISTRATION NUMBER: 41,201
REFERENCE/DOCKET NUMBER: PF-0458 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
TELEFAX: 650-845-4166
                                                                                                                                                                                    FILING DATE: 16-Jan-1998
PRIOR APPLICATION DATA:
APPLICATION
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                                                                                                                                                                                                                                   APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ID NO:
                                                                                                                                       COMPUTER: IBM Compatible OPERATING SYSTEM: DOS
                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 260 amino acids TYPE: amino acid
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                                                                                                                            Diskette
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                                                                                                                                                                               CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: amino acid
STRANDEDNESS: single
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SEQUENCES
                                                                              USA
                                                                                                                           MEDIUM TYPE:
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                                                                                COUNTRY: US
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Best Local
Matches 12
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Pred. No. 1.5e-52;
3; Mismatches 93;
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CURRENT APPLICATION NUMBER: US/09/205,258

CURRENT FILING DATE: 1998-12-04

EARLIER APPLICATION NUMBER: PCT/US98/11422

EARLIER FILING DATE: 1998-06-04

EARLIER FILING DATE: 1997-06-06

EARLIER APPLICATION NUMBER: 60/048, 894

EARLIER APPLICATION NUMBER: 60/048, 894
PRIOR APPLICATION NUMBER: US 09/127,444

PRIOR FILING DATE: 1998-08-21

NUMBER OF SEQ ID NOS: 72

SEQ ID NO 8

LENGTH: 260

TYPE: PRT

ORGANISM: Mus sp.
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PZ007P1
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1997-06-06
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Patent No. 6525174
GENERAL INFORMATION:
APPLICANT: Young et al.
TITLE OF INVENTION: 207 Human Secrete
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                                                                                                                                                                                                                              Amino acid s
to TADG-14;
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APPLICATION NUMBER: 60/
FILING DATE: 1997-06-06
                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 49.0%;
Matches 121; Conservative 28
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                                                         TSNMVCAG-GVPGQDACQGDSGGPLVCGGVLQGLVSWGSVGPCGQDGIPGVYTYICKYVD
                                     TSSVOPLPLPNDCATAGTECHVSGWGITNHPRNPFPDLLQCLNLSIVSHATCHGVYPGRI
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Pred. No. 4.
                                                                                                                                                                                                                                                                                                                                            APPLICANT: Tang, Y. Tom
APPLICANT: Corley, Neil C.
APPLICANT: Guegler, Karl J.
TITLE OF INVENTION: PROSTATE-ASSOCIATED
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
                                                                                                                                                                                                                                                                                           Sequence 1, Application US/09025059
Patent No. 6075136
GENERAL INFORMATION:
APPLICANT: Tang, Y. Tom
APPLICANT: Corley, Neil C.
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Lucy J
-n. 36,749
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NAME: Billings, Lucy J
REGISTRATION NUMBER: 36,
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CURRENT APPLICATION DATA
APPLICATION NUMBER: U
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                                                                                                                                                                            248
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LIBRARY: LUNGTUT10
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PRIOR APPLICATION DAT
APPLICATION NUMBER:
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COMPUTER: IBM Cor
OPERATING SYSTEM:
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TOPOLOGY: li
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STREET: 31
CITY: Palo
STATE: CA
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Best Local S
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APRWLLTAAH
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Pred. No. 3.5e
35; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                R APPLICATION NUMBER: 60/048,875
R FILING DATE: 1997-06-06
R APPLICATION NUMBER: 60/049,374
R FILING DATE: 1997-06-06
R APPLICATION NUMBER: 60/048,917
R FILING DATE: 1997-06-06
R APPLICATION NUMBER: 60/048,949
R FILING DATE: 1997-06-06
R APPLICATION NUMBER: 60/048,949
R APPLICATION NUMBER: 60/048,949
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                                                                                                                EARLIER APPLICATION NUMBER: 60/048
EARLIER PILING DATE: 1997-06-06
EARLIER PILING DATE: 1999-06-06
EARLIER PILING DATE: 1999-06-06
EARLIER PILING DATE: 1999-0
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                                                                     FILING DATE: 1997-06-06 APPLICATION NUMBER: 60/
                                                                                                     FILING DATE: 1997-06-06 APPLICATION NUMBER: 60/
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F SEQ ID NOS: 1227
                 PPLICATION NUMBER: 6
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                                                    APPLICATION NUMBER:
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LENGTH: 289
TYPE: PRT
ORGANISM: Artificial E
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APPLICANT:
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                                  CHGVYPGRI
                                                                                               TSNMVCAG-GVPGQDACQGDSGGPLVCGGVLQGLVSWGSVGPCGQDGIPGVYTYICKYVD
                                                                                                                 21 KIFNGTEC-GRNSQPWQVGLFEGTSLRCGGVLIDHRWVLTAAHCSGSRYWVRLGEHSLSQ
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                                  TSSVQPLPLPNDCATAGTECHVSGWGITNHPRNPFPDLLQCLNLSIVSHAT
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43.9%; Score 602.5; DB 4;
Best Local Similarity 51.1%; Pred. No. 1.5e-50;
Matches 116; Conservative 21; Mismatches 87;
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Patent No. 6420157;
GENERAL INFORMATION:
APPLICANT: Darrow, Andrew
APPLICANT: Qi, Jenson
TITLE OF INVENTION: Zymogen Activation System
FILE REFERENCE: ORT-1028
CURRENT APPLICATION NUMBER: US/09/386,642
CURRENT FILING DATE: 1999-08-31
NUMBER OF SEQ ID NOS: 60
                                                                                                                                                                                                                                                                                                                 APPLICANT: Darrow, Andrew
APPLICANT: Qi, Jenson
APPLICANT: Qi, Jenson
TITLE OF INVENTION: Zymogen Activation System
FILE REFERENCE: ORT-1028
CURRENT APPLICATION NUMBER: US/09/386,642
CURRENT FILING DATE: 1999-08-31
NUMBER OF SEQ ID NOS: 60
SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                                     Sequence 13, Application US/09386642
Patent No. 6420157
GENERAL INFORMATION:
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US-09-386-642-14
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LENGTH: 288
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AND METHODS USEFUL FOR DETECTING AND TREATING DISEASES
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                                                                           289
                                                                          Length
                                                                                                               Indels
                                                                          Score 598.5; DB 4;
Pred. No. 3.8e-50;
1; Mismatches 79;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6183.US.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES: 76
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
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Patent No. 6232456
GENERAL INFORMATION:
APPLICANT: COHEN, MAURICE
APPLICANT: COLPITTS, TRACEY L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AN, PAULA N.
OS, EDWARD N.
MICHAEL R.
                                                                                                               34;
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RUSSELL, JOHN C.
STEWART, KENT D.
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l Similarity 49.1%;
114; Conservative 34
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MEDIUM TYPE: Diskette
COMPUTER: IBM Compatil
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GRANADOS,
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TITLE OF INVENTION:
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                                                                                                                            Score 597.5; DB 3
Pred. No. 3.9e-50;
5; Mismatches 87
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APPLICANT: KJELDSEN, Thomas Borglum
TITLE OF INVENTION: A Process For Producing
TITLE OF INVENTION: (Trypsinogen)
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CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 59453280 No. 5945328disk
STREET: 405 Lexington Avenue
CITY: New York
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REFERENCE/DOCKET NUMBER: 4500.204-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
FORMATION FOR SEQ ID NO: 2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: FastSEQ for Windows Vers:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/956,267A
FILING DATE: 22-OCT-1997
CLASSIFICATION: 435
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          FORMATION FOR SEQ ID NO: 24
SEQUENCE CHARACTERISTICS:
LENGTH: 248 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                           43.5%;
larity 47.8%;
Conservative
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NAME: Rozek, Carol
REGISTRATION NUMBER: 36,
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nino acid
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SOFTWARE: FastSE(
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US-08-944-483-24
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US-08-956-267A-2
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           INFORMATION
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                       SEQUENCE
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Sequence 8166, Application US/09949016

Batent No. 6812339

GENERAL INFORMATION:

APPLICANT: VENTER, J. Craig et al.

TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF

FILE REFERENCE: CL001307

CURRENT APPLICATION NUMBER: US/09/949,016

CURRENT FILING DATE: 2000-04-14

PRIOR APPLICATION NUMBER: 60/241,755

PRIOR FILING DATE: 2000-10-20

PRIOR FILING DATE: 2000-10-03

PRIOR FILING DATE: 2000-09-08

NUMBER OF SEQ ID NOS: 207012

SOFTWARE: FastSEQ for Windows Version 4.0
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; Mismatches 83
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4.4e-47;
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NyContains: trypsinogen
C;Species: Sus scrofd domestica (domestic pig)
C;Species: Sus scrofd domestica (domestic pig)
C;Species: Sus scrofd domestica (domestic pig)
C;Species: Sus scrofd domestic pig)
C;Species: No. 7 Rovery, M.; Guidoni, A.;
Biochim. Biophys. Acta 69, 115-129, 1963
A;Title: Su le trypsinogene et la trypsine de porc.
A;Reference number: A90641
A;Molecule type: protein
A;Residues: 1-10 cCHA>
A;Cross-references: UNIPROT:P00761
A;Residues: 1-10 cCHA>
A;Reference number: A90368
A;Residues: 9-231 cHER>
A;Residues: 9-231 cHER>
A;Residues: 9-231 cHER>
A;Residues: By Deptide #status experimental cZMA>
F;1-231/Product: trypsin #status experimental cZMA>
F;1-231/Product: trypsin #status experimental cZMA>
F;1-31/Product: trypsin #status ex
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       248
A; Accession: S71155
A; Molecule type: mRNA
A; Molecule type: mRNA
A; Residues: 1-102, 'A', 104-248 < WANS>
A; Residues: 1-102, 'A', 104-248 < WANS>
A; Experimental source: clone 1-P38
C; Superfamily: trypsin; trypsin homology
C; Keywords: hydrolase; pancreas; protein digestion; serine pro
C; Keywords: hydrolase; pancreas; protein digestion; serine pro
F; 1-15/Domain: signal sequence #status predicted <APT>
F; 1-15/Domain: activation peptide #status predicted <APT>
F; 26-248/Product: trypsin I #status predicted <MAT>
F; 26-241/Domain: trypsin homology <TRY>
F; 65,109,202/Active site: His, Asp, Ser #status predicted
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                                                                                                                  PIDN: AAA79913
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| Similarity 45.5%; Pred. No. 9.6e-39;
| Similarity 45.5%; Pred. No. 9.6e-39;
| 115; Conservative 38; Mismatches 88;
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Pred. No. 2.7e-38
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R;Stevenson, B.J.; Hagenbuechle, O.; Wellauer, P.K.
Nucleic Acids Res. 14, 8307-8330, 1986
A;Title: Sequence organisation and transcriptional regulation of the mouse elutive sequence organisation and transcriptional regulation of the mouse elutive sequence number: A93646; MUID:87066713; PMID:3641189
A;Reference number: A93646; MUID:870674; PMID:364918; PIDN:CAA28243.1; PMID:3646746; PMID:364674; PMID:36474; PMID:364674; PMID:36474; PMID:36474; PMID:36474; PMID:36474; PMID:36474; PMID:36474; PMID:36474; PM
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                                                   Carlstein, A.;
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C;Date: 07-Jul-1995 #sequence_revision 07-Jul-1995 #text_change 0
C;Accession: A53968
R;Hansson, L.; Stroemqvist, M.; Baeckman, A.; Wallbrandt, P.; Car
J. Biol. Chem. 269, 19420-19426, 1994
A;Title: Cloning, expression, and characterization of stratum cor.
A;Reference number: A53968; MUID: 94308225; PMID: 8034709
A;Accession: A53968
A;Status: preliminary
A;Molecule type: mRNA
A;Residues: 1-253 < HAN>
A;Cross-references: UNIPROT: P49862; GB:L33404; NID: g521214; PIDN:
C;Genetics:
A;Gene: GDB: PRSS6; SCCE
A;Cross-references: GDB: 377730
A;Map position: 7q35-7q35
C;Superfamily: trypsin; trypsin homology
F;30-245/Domain: trypsin homology < TRY>
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C;Species: Mus musculus (house mouse)
C;Date: 30-Jun-1988 #sequence_revision 30-Jun-1988 #text_change
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         246;
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1.3e-37;
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Pred. No. 9.2e-38
7; Mismatches 9
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Lrypsin (EC 3.4.21.4) precursor, pancreatic - African clawed frog C;Species: Xenopus laevis (African clawed frog) C;Date: 09-Nov-1990 #sequence_revision 09-Nov-1990 #text_change 09-C;Accession: A35871; S12117

R;Shi, Y.B.; Brown, D.D.
Genes Dev. 4, 1107-1113, 1990

A;Title: Developmental and thyroid hormone-dependent regulation of JA;Reference number: A35871; MUID: 91007255; PMID: 2210372

A;Accession: A35871

A;Status: preliminary

A;Accession: A35871

A;Status: preliminary

A;Molecule type: mRNA

A;Residues: 1-243 <SHI>
A;Residues: 1-243 <SHI>
A;Residues: 1-243 <SHI>
A;Residues: 1-243 <SHI>
EMBL:XS3458; NID: G65162; PIDN:CC;Superfamily: trypsin homology

C;Keywords: hydrolase; protein digestion; serine proteinase

F;16-20/Domain: activation peptide #status predicted <APT>
F;21-236/Domain: trypsin homology <TRY>
F;26-243/Product: trypsin I #status predicted <AMT>
F;26-243/Product: trypsin I #status predicted bonds: #status predicted
F;60,104,197/Active site: His, Asp, Ser #status predicted
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                                      KIFNGTECGRNSOPWOVGLFEGTSLRCGGVLIDHRWVLTAAHCSGSRYWVR
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     77;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             serine proteinase SCCE precursor - human
N;Alternate names: stratum corneum chymotryptic
C;Species: Homo sapiens (man)
      Mismatches
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     39;
      Conservative
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   107;
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Best Local S
Matches 113
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NyAlternate names: cationic trypsinogen
C;Species: Canis lupus familiaris (dog)
C;Date: 30-Sep-1987 #sequence_revision 30-Sep-1987 #text_change 09-Jul-2006
C;Date: 30-Sep-1987 #sequence_revision of trypsinogen mRNA translation: full-leng
A;Title: Differential regulation of trypsinogen mRNA translation: full-leng
A;Reference number: A26273; MUID:86284628; PMID:3841794
A;Residues: 1-247 <PIN>
A;Residues: 1-247 <PIN>
A;Cross-references: UNIPROT:P06872; GB:M11589; NID:g164094; PIDN:AAA30899...
C;Superfamily: trypsin; trypsin homology
C;Superfamily: trypsin; trypsin homology
C;Keywords: hydrolase; pancreas; protein digestion; serine proteinase; zymuris rignal sequence #status predicted <SIG>
F;1-15/Domain: signal sequence #status predicted <SIG>
                                                                                                                                                                                                                                                                                                                        09-Jul-2004
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                           10;
                                                                                                                                                                                                                                                               trypsin (EC 3.4.21.4) - bovine
C;Species: Bos primigenius taurus (cattle)
C;Species: Bos primigenius taurus (cattle)
C;Date: 02-Dec-1993 #sequence_revision 03-Aug-1995 #text_change 09-,
C;Date: 02-Dec-1993 #sequence_revision 03-Aug-1995 #text_change 09-,
C;Accession: S13813
R;le Huerou, I.; Wicker, C.; Guilloteau, P.; Toullec, R.; Puigserve:
Eur. J. Biochem. 193, 767-773, 1990
A;Title: Isolation and nucleotide sequence of cDNA clone for bovine
A;Reference number: S13813; MUID:91065383; PMID:1701147
A;Reference number: S13813; MUID:91065383; PMID:1701147
A;Accession: S13813
A;Accession: S13813
A;Cross-references: UNIPROT: Q29463; EMBL: X54703; NID:g829; PIDN: CAAA;Cross-references: UNIPROT: Q29463; EMBL: X54703; NID:g829; PIDN: CAAA;Cross-references: protein digestion; serine proteinase
C;Superfamily: trypsin; trypsin homology
C;Keywords: hydrolase; protein digestion; serine proteinase
F;24-239/Domain: trypsin homology <TRY>
F;63,107,200/Active site: His, Asp, Ser #status predicted
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                                                                                              Indels
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pancreas.
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|MLIKLASPV
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 trypsin (EC 3.4.21.4) precursor - bovine
Ny Concains: trypsingen
C.$pecies: Bob primigania taurus (cattle)
C.$pecies: Deprimigania taurus (cattle)
R.$Mixcession: A00164; M00366; S08774
A.$Miccession: A90164; MUID:67168848; PMID:5967034
A.$Miccession: A90164; MUID:67168848; PMID:5967034
A.$Miccession: A90164; MUID:67168848; PMID:5967034
A.$Miccession: A90164; MUID:67168848; PMID:5967034
A.$Mixcession: A90164; MUID:67168848; PMID:5967034
A.$Mixcession: A90164; MUID:67168848; PMID:1092332
B.$Mixcession: A.$Mixcession: A.$Mixcess
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                                                  SAAHCYKYRIQVRLGEHNINVLEGNEQFVDSAKIIRHPNY--NSWTLDNDI
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red. No. 1.4e-37;
Mismatches 77
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Pred. No.
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1 Similarity 46.3%;
106; Conservative 4
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Best Local S
Matches 106
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; PIDN:AAA98518.1; PID:9206508 as Leu and GAC for residue 17
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                                                                                                                                                                                                                            Lrypsin (EC 3.4.21.4) precursor, cationic - rat
C;Species: Rattus norvegicus (Norway rat)
C;Species: Rattus norvegicus (Norway rat)
C;Species: Rattus norvegicus (Norway rat)
C;Date: 30-Jun-1988 #sequence_revision 30-Jun-1988 #text_change 09-Jul-2004
C;Accession: A27547
R;Fletcher, T.S.; Alhadeff, M.; Craik, C.S.; Largman, C.
Biochemistry 26, 3081-3086, 1987
A;Title: Isolation and characterization of a cDNA encoding rat cationic trypsi
A;Reference number: A27547; MUID:87271609; PMID:3607011
A;Accession: A27547
A;Molecule type: mRNA
A;Residues: 1-247 <FLE>
A;Molecule type: mRNA
A;Residues: 1-247 <FLE>
C;Superfemily: trypsin; homology
C;Superfamily: trypsin; homology <TRY>
C;Keywords: calcium binding; hydrolase; protein digestion; serine proteinase
F;25-240/Domain: trypsin homology <TRY>
F;31-161,49-65,133-234,140-207,172-186/Disulfide bonds: #status predicted
F;64,108,201/Active site: His, Asp, Ser #status predicted
F;76,78,81,86/Binding site: calcium (Glu, Asn, Val, Glu) #status predicted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            59
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  proteinase
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n 17-Dec-1982 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          VRVTSSVQPLPLPNDCATAGTECHVSGWGITNHPRNPFPDLLQCLNLSIVSHATCHGVYP
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  RITSNMVCAGGVP-GQDACQGDSGGPLVCGGVLQGLVSWGSVGPCGQDGIPGVXTYICKY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Glu) #status predicted
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                         R.J.;
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NyAlternate names: trypsinogen I
C;Species: Rattus norvegicus (Norway rat)
C;Date: 17-Dec-1982 #sequence_revision 17-Dec-1982 #text_change 09
C;Accession: B22657; A00948
R;Craik, C.S.; Choo, Q.L.; Swift, G.H.; Quinto, C.; MacDonald, R.J.
J. Biol. Chem. 259, 14255-14264, 1984
A;Title: Structure of two related rat pancreatic trypsin genes.
A;Reference number: A22657; MUID:85054880; PMID:6094547
A;Accession: B22657
A;Molecule type: DNA
A;Residues: 1-246 <CRA>
A;Residues: 1-246 <CRA>
A;Residues: 1-246 <CRA>
A;Residues: 1-246 <CRA>
A;Note: the authors translated the codon ATC for residue 6 as Leu
R;MacDonald, R.J.; Stary, S.J.; Swift, G.H.
J. Biol. Chem. 257, 9724-9732, 1982
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NyAlternate names: cationic trypsinogen
C;Species: Canis lupus familiaris (dog)
C;Date: 30-Sep-1987 #sequence_revision 30-Sep-1987 #text_change 09-Ju
C;Accession: B26273
R;Pinsky, S.D.; LaForge, K.S.; Scheele, G.
Mol. Cell. Biol. 5, 2669-2676, 1985
A;Title: Differential regulation of trypsinogen mRNA translation: fu
A;Reference number: A26273; MUID:86284628; PMID:3841794
A;Reference number: A26273; MUID:86284628; PMID:3841794
A;Residues: 1-246 <PIN>
A;Residues: 1-246 <PIN>
A;Residues: 1-246 <PIN>
A;Residues: uNIPROT:P06871; GB:M11590; NID:g164096; PIDN:AAA;
C;Superfamily: trypsin; trypsin homology
C;Keywords: hydrolase; pancreas; protein digestion; serine proteinase
F;1-15/Domain: signal sequence #status predicted <BTS>
F;24-239/Domain: trypsin, cationic #status predicted <BTS>
F;24-239/Domain: trypsin, cationic #status predicted <BTS>
F;24-239/Domain: trypsin homology <ATRY>
F;24-239/Domain: trypsin homology <ATRY>
F;30-160,48-64,132-233,139-206,171-185/Disulfide bonds: #status predicted
F;75,77,80,85/Binding site: calcium (Glu, Asn, Val, Glu) #status pred
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                                                                                                           Glu) #status
                                                                                                                                                  Length 247;
F;16-23/Domain: activation peptide #status predicted <APT>
F;24-247/Product: trypsin, anionic #status predicted <ENZ>
F;24-239/Domain: trypsin homology <TRY>
F;30-160,48-64,132-233,139-206,171-185/Disulfide bonds: #status
F;63,107,200/Active site: His, Asp, Ser #status predicted
F;63,77,80,85/Binding site: calcium (Glu, Asn, Val, Glu) #status
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                                                                                                                                                  39.7%; Score 546; DB 1; larity 45.6%; Pred. No. 4.8e-37; Conservative 38; Mismatches 85;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 39.7%; Score 545; DB 1;
larity 44.2%; Pred. No. 5.8e-37;
Conservative 43; Mismatches 87;
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       Nucleotide
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                                                                                                                                                                                                                                                                                                                                                                                   predicted
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9
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C;Date: 22-Nov-1993 #sequence_revision 03-Aug-1995 #text_change 09-C;Accession: S6657; S31779
C;Accession: S6657; S31779
R;Male, R.; Lorens, J.B.; Smalas, A.O.; Torrissen, K.R.
Eur. J. Biochem. 232, 677-685, 1995
A;Title: Molecular cloning and characterization of anionic and catical and carrier number: S6657; MUID: 96035908; PMID: 7556223
A;Reference number: S6657; MUID: 96035908; PMID: 7556223
A;Residues: 1-238 cMAL>
A;Residues: 1-238 cMAL>
A;Residues: 1-238 cMAL>
A;Residues: 1-238 cMAL>
A;Cross-references: UNIPROT: P3503; EMBL: X70074; NID: 964387; PIDN: C;Superfamily: trypsin; trypsin homology
C;Keywords: hydrolase; serine proteinase
F;1-7/Domain: signal sequence (fragment) #status predicted cAPT>
F;8-15/Domain: activation peptide #status predicted cAPT>
F;16-238/Product: trypsin III #status predicted cAPT>
F;16-238/Product: trypsin homology cTRY>
F;16-231/Domain: trypsin homology cTRY>
PIDN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              119 RVTSSVOPLPLPNDCATAGTECHVSGWG--ITNHPRNPFPDLLOCLNLSIV
                                                                                      PID
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 540; DB 2; I
Pred. No. 1.4e-36;
7; Mismatches 78;
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llarity 47.2%;
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108; Conser
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NyAlternate names: 23K protein; trypsinogen IV precursor
C;Species: Rattus norvegicus (Norway rat)
C;Dates: Or-Jun-1990 #sequence_revision O7-Jun-1990 #text_change 09-Jul-2004
C;Accession: S05494
K;Luetcke, H: Rausch, U.; Vasiloudes, P.; Scheele, G.A.; Kern, H.F.
Nucleic Acids Res. 17, 6736, 1989
A;Title: A fourth trypsinogen (P23) in the rat pancreas induced by CCK.
A;Reference number: S05494
A;Accession: S05494
A;Molecule type: mRNA
A;Residues: 1-247 <LUE>
A;Accession: S05494
A;Molecule type: mRNA
A;Residues: 1-247 <LUE>
C;Superfamily: trypsin; trypsin homology
C;Keywords: calcium binding; hydrolase; protein digestion; serine proteinase; zymc
C;Superfamily: trypsin; trypsin homology
C;Keywords: calcium binding; hydrolase; proteicted <ART>
F;24-24/Product: trypsin IV #status predicted <ART>
F;24-24/Product: trypsin nowology <TRY>
F;24-24/Product: trypsin homology <TRY>
F;24-24/Product: trypsin homology <TRY>
F;24-240/Domain: activation peptide #status predicted
F;30-161,49-65,133-234,140-207,172-186/Disulfide bonds: #status predicted
F;64,108,201/Active site: His, Asp, Ser #status predicted
F;76,78,181,86/Binding site: calcium (Glu, Asn, Val, Glu)
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                                                                                                                RITSNMVCAGGVP-GODACQGDSGGPLVCGGVLQGLVSWGSVGPCGQDGIPGVYTYICKY
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DWTEQIRHSGFSVTHPGYLGASTSHEHDLRLLRLRLPVRVTSSVQPLPLPNDCATAGTEC
                                 : ||| | : || | : || | | : :|| | : | | : || | EGTEQFIDSVKVIMHPSY--NSRNLDNDIMLIKLSKPASLNSYVSTVALPSSCASSGTRC
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invention #54

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Protein of the :
WO200078961-A1.
28-DEC-2000.
                                             Query Match
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SUMMARIES
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Pred. No. 5e-98;
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Human PRO1303 (UNQ669) amino acid sequence SEQ
WO200012708-A2.
09-MAR-2000.
(GETH ) GENENTECH INC.
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Pred. No. 5e-98;
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GenCore version 5.1.6 search, using sw model 1 5, 2005, 17:55:12 ; Search
                                                                                                 Gapop 10.0 , Gapext 0.5
Searched: 2105692 segs, 386760381 residues
Total number of hits satisfying chosen parameters:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB24032 standard; protein; 248 AA.
Human PRO1303 protein sequence SEQ ID NO:33
WO200053750-A1.
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Human EST encoded protein SEQ ID NO: 1519
WO200154477-A2.
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Human KLK-L5 protein #4.
WO200053776-A2.
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Maximum DB seq length: 200000000

Post-processing: Minimum Match 100%

Listing first 1500 sum

Listing first 1500 sum

A Geneseq 16Dec04:*

1: geneseqp1990s:*

2: geneseqp2000s:*

4: geneseqp2001s:*

5: geneseqp2001s:*

6: geneseqp2001s:*

7: geneseqp2003as:*

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BLOSUM62
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14-SEP-2000.
(GETH ) GENENTECH INC.
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(HYSE-) HYSEQ INC.
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                                 Novel human secreted and transmembrane protein PRO1303 US2003073130-A1.
17-APR-2003.
(GETH ) GENENTECH INC.
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No. 5e-98;
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Human secreted/transmembrane protein PRO1303.
US2003044841-A1.
06-MAR-2003.
(GETH ) GENENTECH INC.
100.0%; Score 1374; Distry Match
st Local Similarity 100.0%; Pred. No. 5e-98
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADD39786 standard; protein; 248 AA.
Human secreted/transmembrane protein PRO1303
US2003083462-A1.
01-MAY-2003.
(GETH ) GENENTECH INC.
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Human secreted/transmembrane protein PRO1303
US2003096955-A1.
22-MAY-2003.
(GETH ) GENENTECH INC.
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Human secreted/transmembrane protein PR01303
US2003099625-A1.
29-MAY-2003.
A (GETH ) GENENTECH INC.
Query Match
100.0%; Score 1374; D1
Best Local Similarity 100.0%; Pred. No. 5e-90
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Human secreted/transmembrane protein PRO1303
US2003054406-A1.
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Human secreted/transmembrane protein PRO1303
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Pred. No. 5e-
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Novel human secreted and transmembrane
US2003073129-A1.
17-APR-2003.
(GETH ) GENENTECH INC.
100.0%; Score 137
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Pred.
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RESULT 10
ID ADC18063 standard; protein; 2,
DE Human PRO polypeptide #54.
PN US2003064925-A1.
PD 03-APR-2003.
PA (GETH) GENENTECH INC.
          100.0%;
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SULT 9
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5e-98;
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Pred. No. 5e-98;
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Pred. No. 5e-98;
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                                    DB 7
e-98;
                                                                       ADD38832 standard; protein; 248 AA.

Human secreted/transmembrane protein PRO1303.
US2003092061-A1.
15-MAY-2003.
(GETH ) GENENTECH INC.

sry Match
100.0%; Score 1374; DB ?
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No. 5e-98;
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Human secreted/transmembrane protein PRO1303.
US2003082628-A1.
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Human secreted/transmembrane protein PRO1303.
US2003065142-A1.
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Human secreted/transmembrane protein PRO1303
US2003204054-A1.
                                                                                                                                                                    ADD40263 standard; protein; 248 AA.
Human secreted/transmembrane protein PRO1303.
US2003082627-A1.
01-MAY-2003.
(GETH ) GENENTECH INC.
100.0%; Score 1374; DE sry Match
100.0%; Pred. No. 5e-98
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Human secreted/transmembrane protein PRO1303
US2003082626-A1.
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Human secreted/transmembrane protein PRO1303
US2003069179-A1.
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ID ADE20096 standard; protein; 248 AA.
DE Human secreted/transmembrane protein PRO1303 PN US2003092883-A1.
PD 15-MAY-2003.
PA (GETH ) GENENTECH INC.
                                   Score 1374;
Pred. No. 5
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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US2003096954-A1.
22-MAY-2003.
(GETH ) GENENTECH INC.
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Best Local Similarity
RESULT 21
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RESULT 23
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Best Local Similarity
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Best Local Similarity
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No. 5e-98;
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Pred. No. 5e-98;
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No. 5e-98;
Query Match
100.0%; Score 1374; DB 7
Best Local Similarity 100.0%; Pred. No. 5e-98;
RESULT 25
ID ADE96567 standard; protein; 248 AA.
DE Human secreted/transmembrane protein PRO1303.
PN US2003195347-A1.
PD 16-OCT-2003.
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16-OCT-ZOO3.
(GETH ) GENENTECH INC.
100.0%; SCORE 1374; DB (
ery Match
ery Match
? cimilarity 100.0%; Pred. No. 5e-98;
                                      Score 1374; DB '
Pred. No. 5e-98;
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No. 5e-98;
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No. 5e-98;
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Human secreted/transmembrane protein PRO1303.

US2003216562-A1.

20-NOV-2003.

(GETH ) GENENTECH INC.
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Human secreted/transmembrane protein PRO1303
US2003224478-A1.
04-DEC-2003.
(GETH ) GENENTECH INC.
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Human secreted/transmembrane protein PRO1303
US2004005626-A1.
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Human secreted/transmembrane protein PRO1303
US2003220471-A1.
                                                                                                                                                                                                                                                                        ADF24777 standard; protein; 248 AA.
Human secreted/transmembrane protein PRO1303
US2003198993-A1.
23-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                  Human secreted/transmembrane protein PRO1303
US2003203401-A1.
30-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADE97044 standard; protein; 248 AA.
Human secreted/transmembrane protein PRO1303
US2003195334-A1.
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Human secreted/transmembrane protein PRO1303
US2003199675-A1.
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No. 56
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A (GETH) GENENTECH INC.

Query Match

Best Local Similarity 10

RESULT 32
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Jeff ) GENENTECH I
Local Similarity
RESULT 26
ID ADF25878 stand
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SULT 28
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RESULT 29
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2.2e-92;
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Pred. No. 1.7e-97;
                                                                                                                                   cancer
          Score 1374; DB Pred. No. 5e-98;
                                                                                         Score 1374; DB Pred. No. 5e-98;
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                                                                                                                                                                                            Human secreted/transmembrane protein PRO1303. US2004073015-A1. 15-APR-2004. (GETH ) GENENTECH INC.
                                     ADH61514 standard; protein; 248 AA.
Human secreted/transmembrane protein PRO1303
US2004014130-A1.
22-JAN-2004.
(GETH) GENENTECH INC.
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ID NO:2150
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Pred. No.
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Human kallikrein-like protein 5
WO2003039475-A2.
15-MAY-2003.
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sequence SEQ ]
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Human kallikrein 12, marker of
WO2004029285-A2.
08-APR-2004.
(MOUN ) MOUNT SINAI HOSPITAL.
uery Match
est Local Similarity 100.0%; P
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        100.0%;
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SULT 39
AAB21303 standard; protein;
Human KLK-LS protein #3.
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Human kallikrein 12, marker
WO2004029285-A2.
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GENENTECH INC
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Human PRO protein &
WO2004039956-A2.
                   Similarity
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RESULT 34
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ID AAB44300 standard; protein; 260 AA.
DE Human PRO322 (UNQ283) protein sequence SEQ ID NO:395-PD 14-SEP-2000.
PA (GETH ) CENT.
                                                                                                                                                                                                                                                                                                                                                                                   antigen derived
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No. 1.1e-40;
                  ; DB 8;
2.2e-92;
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8.1e-55;
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5e-71
                                                                                                                            AAY28642 standard; protein; 162 AA.
Human secreted protein from cDNA clone HKAFV61
WO9940183-A1.
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No. 1.1
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No. 1
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Pred. No. 1
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Human neuropsin protein.
JP11318461-A.
24-NOV-1999.
(SHIO/) SHIOZAKA S.
(IGAK-) IGAKU SEIBUTSUGAKU KENKYUSHO KK.
                                                                                                                                                                    SCI INC.
59.0%; Score 811;
64.1%; Pred. No.
                                                                                                                                                                                                        AAY32852 standard; protein; 260 AA.
Human serine protease protein sequence
JP11225765-A.
24-AUG-1999.
A (SUNR ) SUNTORY LTD.
Query Match
45.9%; Score 630
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Human PRO322 polypeptide sequence.
WO200140466-A2.
07-JUN-2001.
(GETH ) GENENTECH INC.
                                               184
                                                                                                                                                                                                                                                                                                                                                                                                                                                         DE Human KLK-L5 protein #1.
PN WO200053776-A2.
PD 14-SEP-2000.
PA (MOUN ) MOUNT SINAI HOSPITAL.
Query Match
Rest Local Similarity 100.0%;
                                                                                      HOSPITAL. 74.2%; 100.0%;
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Human PRO322 protein sequence
WO9946281-A2.
16-SEP-1999.
(GETH) GENENTECH INC.
                  94.7%;
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Best Local Similarity
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Novel human secreted and transmembrane protein PRO322
US2003032156-A1.
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ON
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1.1e-40;
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No. 1.1e-40;
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No. 1.1e-40;
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Pred. No. 1.1e-40;
       .1e-40;
                  Human angiogenesis-associated protein PRO322, WO200053753-A2.
                                                                                                                                                              ABB84852 standard; protein; 260 AA.
Human PRO322 protein sequence SEQ ID NO:72
WO200200690-A2.
630.5;
No. 1.1
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related protein PRO322
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Pred. No. 1
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s SeqID 612
                                                         GETH GENENTECH INC.

Query Match

Query Match

Best Local Similarity 50.2%; Pred. No

SULT 53

ABG23373 standard; protein; 260 AA.

Novel human diagnostic protein #23364

WQ200175067-A2.
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Score
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WO200053755-..
14-SEP-2000.
'~TTH ) GENENTECH INC.
45.9%;
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Human NOVX protein homologue
WO200268649-A2.
06-SEP-2002.
(CURA-) CURAGEN CORP.
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RESULT 56
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GODOWSKI P J.
GURNEY A L.
HILLAN K J.
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(GETH ) GENENTECH INC.
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WO200208284-A2.
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BAKER K P.
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(HYSE-) HYSEQ INC
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PAONI N F
STEPHAN J
WATANABE
WILLIAMS
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WO200109327-A2
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Novel human secreted and transmembrane protein PRO322 US2002192706-A1.
19-DEC-2002.
(GETH ) GENENTECH INC.
st Local Similarity 50.2%; Pred. No. 1.1e-40;
              protein PRO322
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transmembrane PRO polypeptide
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transmembrane protein PRO322
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No. 1.1e-40;
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Pred. No. 1.
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No. 1.
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ABO25246 standard; protein; 260 AA.
Novel human secreted and transmembrane US2003050239-A1.
13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                No.
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Human secreted/transmembrane protein
US2003036179-A1.
20-FEB-2003.
(GETH ) GENENTECH INC.
3ry Match 45.9%; Score 63
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US2003036180-A1.
20-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                           ID ADA05702 standard; protein; 20 Human NOV11h protein SEQ ID NC WO2003029424-A2.

PD 10-APR-2003.

PA (CURA-) CURAGEN CORP.

Query Match
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Human PRO polypeptide #198.
US2003004311-A1.
02-JAN-2003.
(GETH ) GENENTECH INC.
uery Match
est Local Similarity 50.2%;
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Human PRO322 polypeptide.
US2002169284-A1.
14-NOV-2002.
(GETH ) GENENTECH INC.
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PD 28-NOV-2002.

PA (GETH ) GENENTECH INC.

Query Match
Best Local Similarity 50

RESULT 65

ID ABU59848 standard; protent Novel secreted and trans pour US2003017563-A1.

PD 23-JAN-2003.

PA (GETH ) GENENTECH INC.
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2002.
LOCAL GENENTECH IN BEST LOCAL Similarity RESULT 62
ID ADA05702 star?
DE Human NOV?
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RESULT 61
ID ABU72252 standard; p
DE Novel human secreted
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PA (GETH ) GENENTECH IN
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No. 1.1e-40;
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No. 1.1e-40;
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No. 1.1e-40;
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No. 1.1e-40;
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No. 1.1e-40;
                                                                     ABU67043 standard; protein; 260 AA.
Human secreted/transmembrane, PRO, protein SEQ
US2003032155-A1.
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ABU80399 standard; protein; 260 AA.
Human secreted/transmembrane protein PRO322
US2003004102-A1.
                                                                                                                                                                                   Score 630.5;
Pred. No. 1.
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US2003082704-A1.
01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                45.9%;
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50.2%;
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Human PRO polypeptide #198.
US2003054517-A1.
                           02-JAN-2003.
(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC
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Best Local Similarity
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Best Local Similarity
RESULT 70
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RESULT 72
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Novel human secreted and transmembrane protein PRO322 US2003082693-A1.
01-MAY-2003.
(GETH ) GENENTECH INC.
Query Match
45.9%; Score 630.5; DB 6; Leng
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Novel human secreted and transmembrane protein PRO322
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Novel human secreted and transmembrane protein PRO322 US2003087345-A1.
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No. 1.1e-40;
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Pred. No. 1.1e-40;
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Pred. No. 1.1e-40;
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PN US2003068795-A1.
PD 10-APR-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 50.2%; P
                                                                                Human PRO polypeptide #198.
US2003073215-A1.
17-APR-2003.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #198.
US2003068794-A1.
10-APR-2003.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #198.
US2003087349-A1.
08-MAY-2003.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #198.
US2003082763-Al.
Human PRO polypeptide #198
US2003087350-A1.
08-MAY-2003.
(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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Best Local Similarity
RESULT 81
ID ADA85872 standard; p
DE Novel human secreted
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(GETH ) GENENTECH
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Novel human secreted and transmembrane protein PRO322
US2003082691-A1.
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No. 1.1e-40;
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Human secreted/transmembrane polypeptide PRO322
US2003055216-A1.
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Pred. No. 1.1e-40;
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No. 1.1e-40;
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Novel human secreted and transmembrane
US2003050240-A1.
13-MAR-2003.
(GETH ) GENENTECH INC.
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Novel human secreted and transmembrane
US2003073211-A1.
17-APR-2003.
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US2003077722-A1.
24-APR-2003.
(GETH) GENENTECH INC.
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GENENTECH INC.
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US2003087351-A1.
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Human PRO polypeptide #198.
US2003082710-Al.
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50.2%;
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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  US2003082694-A1.
01-MAY-2003.
(GETH ) GENENTECH INC
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Best Local Similarity
RESULT 90
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Best Local Similarity
RESULT 92
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SULT 93
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Best Local Similarity
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                            Query Match
Best Local Similarity
RESULT 87
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ESULT 89
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ID ADA84768 standard; protein; 260 AA.

DE Novel human secreted and transmembrane protein PRO322

PN US2003082708-A1.

PD 01-MAY-2003.

PA (GETH) GENENTECH INC.

Query Match

Best Local Similarity 50.2%; Pred. No. 1.1e-40;

RESULT 102
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Novel human secreted and transmembrane protein PRO322
US2003082695-A1.
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L.1e-40;
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Pred. No. 1.1e-40;
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No. 1.1e-40;
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No. 1.1e-40;
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Human PRO polypeptide SEQ ID NO
US2003077713-A1.
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Human PRO polypeptide #198.
US2003073214-A1.
17-APR-2003.
(GETH ) GENENTECH INC.
uery Match
est Local Similarity 50.2%;
                                                                                                                                                                                                                                                                                                                                                        ADA75242 standard; protein; 2
Human PRO polypeptide #198.
US2003073216-A1.
17-APR-2003.
(GETH ) GENENTECH INC.
tery Match
est Local Similarity 50.2%;
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Human PRO polypeptide #198.
US2003082703-A1.
01-MAY-2003.
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01-MAY-2003.
(GETH ) GENENTECH INC.
ery Match
ery Match
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Human PRO polypeptide #198.
US2003082761-A1.
01-MAY-2003.
(GETH ) GENENTECH INC.
                      45.9%;
                                                                                                                      45.9%;
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Human PRO polypeptide #198.
US2003082701-A1.
01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                    45.9%;
                                                        ADA74522 standard; protein;
Human PRO polypeptide #198.
US2003068798-A1.
10-APR-2003.
(GETH ) GENENTECH INC.
20-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                            INC
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..so77713-A1.
..4-APR-2003.
(GETH ) GENENTECH IN
Query Match
Best Local Similarity
RESULT 98
ID ADA82279 stand?
DE Human PRO r
PN US2003°
PD 01-*
                                                       Joseph
Joseph
Joseph
GETH ) GENENTECH IN
Query Match
Best Local Similarity
RESULT 97
ID ADB24755 stand
DE Human PRO r
PN US2003 r
PD 24-r
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RESULT 101
ID ADA84768 standard; p
DE Novel human secreted
PN US2003082708-A1.
PD 01-MAY-2003.
PA (GETH ) GENENTECH IN
                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
SULT 99
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Best Local Similarity
RESULT 100
                                 Best Local Similarity
SULT 96
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           Score 630.5; DB 6;
Pred. No. 1.1e-40;
                                                                                             Score 630.5; DB 6;
Pred. No. 1.1e-40;
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Pred. No. 1.1e-40;
                                                                                                                                                                                                                                                                     DB 6;
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Pred. No. 1.1e-40;
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No. 1.1e-40;
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Pred. No. 1.1e-40;
                                                                                                                             AA.
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Best Local Similarity 50.2%; Pred. 1
RESULT 111
ID ADB24203 standard; protein; 260 AA.
DE Human PRO polypeptide SEQ ID NO 396
PN US2003077714-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                          260 AA
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ID ADB25315 standard; protein; 260
DE Human PRO polypeptide SEQ ID NO PN US2003077715-A1.
                                                                                                                                                                                                                                                                                                  ADBZ6841 standard; protein; 2
Human PRO polypeptide #198.
US2003092147-A1.
15-MAY-2003.
(GETH ) GENENTECH INC.
           45.9%;
                                      Human PRO polypeptide #198. US2003073210-A1.
                                                                                            45.9%;
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US2003077721-A1.
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Human PRO polypeptide #198.
US2003096386-A1.
22-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                           45.9%;
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50.2%;
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US2003082702-A1.
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Human PRO polypeptide #198.
US2003082690-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          protein;
                                                                                                                                                         24-APR-2003.
(GETH ) GENENTECH INC.
                                                                                  GENENTECH INC.
GENENTECH INC
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                                                                                                                                                                                                                                                          INC
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US2003049817-A1.
13-MAR-2003.
(GETH ) GENENTECH INC
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                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
RESULT 108
                                                                                                                                                                                         Best Local Similarity
RESULT 107
ID ADA93491 standard;
                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 109
                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
RESULT 110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADA61056 standard;
                   Best Local Similarity RESULT 105
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RESULT 113
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                                                                                                                                                                                                                                               24-APR-2003.
(GETH ) GENENTECH
                                                                       17-APR-2003
(GETH ) GEN
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          Query Match
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(GETH )
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                                                                                                                                                                                                      ID ADB21774 standard; protein; 260 AA.

DE Novel human secreted and transmembrane protein PRO322
PN US2003082765-A1.

PD 01-MAY-2003.

PA (GETH) GENENTECH INC.

Query Match

Best Local Similarity 50.2%; Pred. No. 1.1e-40;

RESULT 117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           минвви79 standard; protein; 260 AA.
Novel human secreted and transmembrane protein PRO322
US2003082700-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADA46467 standard; protein; 260 AA.
Novel human secreted and transmembrane protein PRO322
US2003054516-A1.
                                                                                                                                                                                                                                                                                            ABO19592 standard; protein; 260 AA.
Novel human secreted and transmembrane polypeptide
US2003049633-A1.
13-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; DB 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; DB 7;
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 630.5; DB 6
No. 1.1e-40;
                                                                                    Score 630.5; DB 6 Pred. No. 1.1e-40;
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No. 1.1e-40;
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No. 1.1e-40;
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No. 1.1e-40;
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No. 1.1
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No. 1.1
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No. 1
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No. 1.
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Pred.
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RESULT 119
ID ADB18293 standard; protein; 2
DE Human PRO polypeptide #198.
PN US2003077710-A1.
PD 24-APR-2003.
PA (GETH ) GENENTECH INC.
 45.9%;
50.2%;
                                                                                    45.9%;
                                                                                                                                                                        45.9%;
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                              ADA95980 standard; protein;
Human PRO polypeptide #198.
US2003082759-A1.
01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                  ADB26289 standard; protein;
Human PRO polypeptide #198.
US2003082760-A1.
                                                                                                                                                                                                                                                                                                                                       45.9%;
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                                                                                                                                                                                                                                                                                                                                                                     ADA77553 standard; protein;
Human PRO polypeptide #198.
US2003068797-A1.
10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                           PD 01-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 50
RESULT 116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PD 01-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 5
RESULT 122
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(GETH ) GENENTECH INC.
:ry Match
Query Match
Best Local Similarity
RESULT 114
ID ADA95980 standard; I
DE Human PRO polypeption
                                                                                          Best Local Similarity RESULT 115
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121
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120
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L.1e-40;
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No. 1.1e-40;
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No. 1.1e-40;
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Pred. No. 1.3
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Pred. No. 1.
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No. 1.
                                                                                                                                  Score 630.5
Pred. No. 1
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Novel human secreted and transmembrane
US2003073213-A1.
17-APR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADB22326 standard; protein; 260 AA.
Novel human secreted and transmembrane
US2003087344-A1.
08-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADB23651 standard; protein; 260 AA.
Human PRO polypeptide SEQ ID NO 396
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Pred.
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Pred.
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Pred.
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         260
                                                                               Human PRO polypeptide #198.
US2003082706-A1.
01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                          ADA77001 standard; protein; 2
Human PRO polypeptide #198.
US2003059909-A1.
27-MAR-2003.
(GETH ) GENENTECH INC.
uery Match
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17-APR-2003.
(GETH ) GENENTECH INC.
45.9%;
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45.9%;
y 50.2%;
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50.2%;
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Human PRO polypeptide #198.
US200302239-Al.
30-JAN-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                  45.9%;
50.2%;
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US2003077711-A1.
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Human PRO polypeptide #198.
US2003068793-A1.
RESULT 123
ID ADB28497 standard; protein;
DE Human PRO polypeptide #198.
PN US2003082699-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENENTECH INC.
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Best Local Similarity
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                             S2002.
1-MAY-2003.
TTTH ) GENENTECH 1
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                                                                                                                               Query Match
Best Local Similarity
RESULT 125
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Best Local Similarity
RESULT 126
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124
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(GETH ) GENI
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RESULT 129
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Novel human secreted and transmembrane protein PRO322
US2003082764-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 137

ID ADB66608 standard; protein; 260 AA.

ID ADB66608 standard; protein; 260 AA.

DE Novel human secreted and transmembrane protein PRO322

PN US2003082689-A1.

PD 01-MAY-2003.

PD 01-MAY-2003.

PA (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                       ADB38688 standard; protein; 260 AA.

Novel human secreted and transmembrane protein PRO322
US2003082766-A1.

01-MAY-2003.

(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                              protein PRO322
                                                                                               PRO322
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L.1e-40;
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No. 1.1e-40;
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.1e-40;
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No. 1.1e-40;
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No. 1.1e-40;
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Pred. No. 1.
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No. 1.
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No. 1
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ADB80561 standard; protein; 260 AA.
Ovarian cancer-associated protein #63.
WO2002102235-A2.
27-DEC-2002.
(EOSB-) EOS BIOTECHNOLOGY INC.
(EOSB-) Atch
Query Match
---- cimilarity 50.2%; Pred. No.
                                                                       Novel human secreted and transmembrane US2003082712-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                  transmembrane
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DE Human PRO polypeptide #198.
PN US2003082762-A1.
PD 01-MAY-2003.
PA (GETH ) GENENTECH INC.
Query Match
                                                                                                                        PD 01-MAY-2003.

PA (GETH) GENENTECH INC.

Query Match
Best Local Similarity 50.2%;

RESULT 134

ID ADB15436 standard; protein; 2

DE Human PRO polypeptide #198.

PN US2003087352-A1.

PD 08-MAY-2003.

PA (GETH) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                DE ADB38136 standard; protein; 2
DE Novel human secreted and tran
PN US2003087347-A1.
PD 08-MAY-2003.
PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 50.2%;
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US2003082698-A1.
                                         45.9%;
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50.2%;
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PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 50
RESULT 139
US200307712-A1.
24-APR-2003.
(GETH ) GENENTECH INC.
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Best Local Similarity
RESULT 138
ID ADB89688 Star
                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
RESULT 136
ID ADB38136 standard; p
DE Novel human secreted
PN US2003087347-A1.
PD 08-MAY-2003.
                                 Query Match
Best Local Similarity
RESULT 133
ID ADA92373 standard; p
DE Novel human secreted
PN US2003082712-A1.
PD 01-MAY-2003.
PA (GETH ) GENENTECH IN
                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 135
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                                                                                                               RESULT 143

ID ADB47144 standard; protein; 260 AA.

DE Novel human secreted and transmembrane protein PRO322

PN US2003082687-A1.
                                                                                                                                                                                                                                                                                                                                                                                                          protein PRO322
                                                                                                                                                                                          7;
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                    Score 630.5; DB 7; Pred. No. 1.1e-40;
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Pred. No. 1.1e-40;
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No. 1.1e-40;
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Pred. No. 1.1e-40;
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No. 1.1e-40;
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Pred. No. 1.
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Pred. No. 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADB35617 standard; protein; 260 AA.
Human PRO polypeptide SEQ ID NO 396
US2003077719-A1.
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Pred.
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Pred.
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                   45.9%;
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                                         AUB/3901 standard; protein;
Human PRO polypeptide #60.
US2003045462-A1.
06-MAR-2003.
                                                                                                       45.9%;
                                                                                                                                                                                          45.9%;
                                                                                                                                                                                                                        ADB86751 standard, protein,
Human PRO polypeptide #198.
US2003082697-A1.
01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                            45.9%;
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US2003083248-A1.
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PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 50.2%;
RESULT 146
                                                                                                                                                                     01-MAY-2003.
(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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                             Similarity
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Best Local Similarity
RESULT 145
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Best Local Similarity
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01-MAY-2003
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Query Match
Best Local S:
RESULT 142
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                                                                                                                                                                               ID ADB46564 standard; protein; 260 AA.

DE Novel human secreted and transmembrane protein PRO322.

PN US2003082692-A1.

PD 01-MAY-2003.

PA (GETH) GENENTECH INC.

Query Match

Best Local Similarity 50.2%; Pred. No. 1.1e-40;

RESULT 153

ID ADC44043 standard; protein; 260 AA.

DE Human secreted/transmembrane protein, PRO322.

PN US2003054986-A1.

PD 20-MAR-2003.

PA (GETH) GENENTECH INC.
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No. 1.1e-40;
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No. 1.1e-40;
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No.1.1e-40;
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             Score 630.5; DB 7 Pred. No. 1.1e-40;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADC63051 standard; protein; 260 AA.
Human secreted/transmembrane protein, PRO322.
US2003068648-A1.
10-APR-2003.
(GETH ) GENENTECH INC.
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Human secreted/transmembrane protein, PRO322.
US2003069178-A1.
10-APR-2003.
(GETH ) GENENTECH INC.
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No. 1.1
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DE Human secreted/transmembrane protein, PR
PN US2003060406-A1.

PD 27-MAR-2003.

PA (GETH ) GENENTECH INC.

Query Match
A5.9%; Score 630.5

Best Local Similarity 50.2%; Pred. No. 1

RESULT 157

ID ADC68991 standard; protein; 260 AA.

DE Human secreted/transmembrane protein, PR
PN US2003064407-A1.

PD 03-APR-2003.

PA (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity 50.2%; Pred. No. RESULT 154
ID ADC61803 standard; protein; 260 AA. DE Human secreted/transmembrane protein, PN US2003049684-A1. PD 13-MAR-2003. PA (GETH ) GENENTECH INC.
                                                       ADB36169 standard; protein; 260 AA.
Human PRO polypeptide SEQ ID NO 396
US2003077720-A1.
24-APR-2003.
A (GETH ) GENENTECH INC.
Query Match
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Pred.
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             45.9%;
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GENENTECH INC
           Query Match
Best Local Similarity
RESULT 151
ID ADB36169 standard; I
DE Human PRO polypeptic
PN US2003077720-A1.
PD 24-APR-2003.
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RESULT 152
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Best Local Similarity
RESULT 156
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ID ADC681
DE Human
PN US2003
PD 10-APR
PA (GETH
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Best Local Similarity
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Novel human secreted and transmembrane protein PRO322
US2003092105-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADC71984 standard; protein; 260 AA.
Novel human secreted and transmembrane protein PRO322 US2003092107-A1.
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US2003087365-A1.
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Novel human secreted and transmembrane protein Seq
US2003087366-A1.
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No. 1.1e-40;
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Pred. No. 1.1e-40;
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No. 1.1e-40;
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No. 1.1e-40;
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No. 1.1e-40;
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No. 1.1e-40;
       Score 630.5; DB 7
Pred. No. 1.1e-40;
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US2003104998-A1.
05-JUN-2003.
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Best Local Similarity 50.2%; Pred. No. RESULT 164
ID ADC50437 standard; protein; 260 AA. DE Novel human secreted and transmembrane PN US2003092106-A1.
                                                           ADC41436 standard; protein; 260 AA.
Human secreted/transmembrane protein,
US2003072745-A1.
                                                                                                                                                                                                               ADC67491 standard; protein; 260 AA.
Human secreted/transmembrane protein,
US2003073131-A1.
17-APR-2003.
(GETH ) GENENTECH INC.
sry Match
st Local Similarity 50.2%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                  ADC62427 standard; protein; 260 AA.
Human secreted/transmembrane protein,
US2003073624-A1.
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(GETH ) GENENTECH INC.
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45.9%;
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SULT 166
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Best Local Similarity
RESULT 162
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RESULT 163
ID ADC42060 standard;
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RESULT 160
ID ADC41436
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Novel human secreted and transmembrane protein Seq ID396
US2003087346-A1.
08-MAY-2003.
(GETH ) GENENTECH INC.
45.9%; Score 630.5; DB 7; Length
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No. 1.1e-40;
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No. 1.1e-40;
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No. 1.1e-40;
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08-MAY-2003.
(GETH ) GENENTECH INC.
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No. 1.1e-40;
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No. 1.1e-40;
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                       protein
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Best Local Similarity 50.2%; Pred. No. 1.
RESULT 172
ID ADC54615 standard; protein; 260 AA.
DE Novel human secreted and transmembrane pr PD 08-MAY-2003.
PA (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                     ADC53576 standard; protein; 260 AA.
Novel human secreted and transmembrane
US2003087364-A1.
08-MAY-2003.
(GETH ) GENENTECH INC.
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Novel human secreted and transmembrane US2003087367-A1.
08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                   transmembrane
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RESULT 171
ID ADC65517 standard; protein; 20
DE Human PRO polypeptide #198.
PD 08-MAY-2003
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50.2%;
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08-MAY-2003.
(GETH ) GENENTECH INC.
45.9%;
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PA (GETH) GENENTECH INC.

Query Match

Best Local Similarity 50.2%;

RESULT 176
                                                                    45.9%;
                                                                                                   Novel human secreted and transcention US2003087361-A1.
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Best Local Similarity
RESULT 173
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Best Local Similarity
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175
                                                                  Query Match
Best Local Similarity
SULT 170
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ID AL
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Pred. No. 1.1e-40;
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No. 1.1e-40;
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No. 1.1e-40;
                                                           Score 630.5; DB 7
Pred. No. 1.1e-40;
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No. 1.1e-40;
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Human secreted/transmembrane PRO polypeptide
US2003105011-A1.
         ADC90213 standard; protein; 260 AA.
Novel human secreted and transmembrane
US2003087348-A1.
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Human kallikrein 8 protein SEQ ID NO:2
WO2003085404-A1.
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US2003194774-Al.
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(GETH ) GENENTECH INC.
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                                                                                       ADC69632 standard; protein;
Human PRO polypeptide #198.
US2003194770-A1.
16-OCT-2003.
                                                                                                                                                   Best Local Similarity 50.2%;
RESULT 180
ID ADC48521 standard; protein;
DE Human PRO polypeptide #198.
PN US2003194773-A1.
                                                                                                                                                                                                                                                         ADD10050 standard; protein;
Human PRO polypeptide #198.
US2003194776-A1.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
                                       08-MAY-2003.
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Best Local Similarity
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RESULT 184
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RESULT 187
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Best Local Si
RESULT 181
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RESULT 178
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                                                                                        DE ADC80029 standard; protein; 260 AA.

DE Novel human secreted and transmembrane protein PRO322.

PN US2003087358-A1.

PD 08-MAY-2003.

PA (GETH) GENENTECH INC.

Query Match

Best Local Similarity 50.2%; Pred. No. 1.1e-40;

RESULT 189

ID ADD11321 standard; protein; 260 AA.

DE Human secreted/transmembrane PRO polypeptide #36.

PN US2003105013-A1.

PD 05-JUN-2003.

PA (GETH) GENENTECH INC.

Query Match

45.9%; Score 630.5; DB 7; Length
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30-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                ADD41211 standard; protein; 260 AA.
Novel human secreted and transmembrane protein PRO322
US2003203438-A1.
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No. 1.1e-40;
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No. 1.1e-40;
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No. 1.1e-40;
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Human secreted/transmembrane PRO polypeptide
US2003105012-A1.
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No. 1.1
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DE Human PRO polypeptide #198.
PN US2003194771-A1.
PD 16-OCT-2003.
PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 50.2%; P
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Human PRO polypeptide #198.
US2003194775-A1.
16-OCT-2003.
(GETH ) GENENTECH INC.
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RESULT 193
ID ADD53090 standard; protein; 2
DE Human PRO polypeptide #198.
PN US2003194792-A1.
PD 16-OCT-2003.
PA (GETH ) GENENTECH INC.
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50.2%;
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Human PRO polypeptide #198.
US2003194769-A1.
16-OCT-2003.
(GETH ) GENENTECH INC.
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Best Local Similarity
RESULT 191
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RESULT 190
ID ADD09498
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PA (GETH ) GENENTECH IN Query Match Best Local Similarity RESULT 192
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PA (GETH ) GENENTECH IN Query Match Best Local Similarity RESULT 196
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Novel human secreted and transmembrane protein PRO322
(TADG-14) protein
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Novel human secreted and transmembrane protein PRO322
US2003203432-A1.
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L.1e-40;
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No. 1.1e-40;
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No. 1.1e-40;
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Human secreted/transmembrane protein,
US2003096744-A1.
22-MAY-2003.
(GETH ) GENENTECH INC.
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US2003199055-A1.
23-OCT-2003.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #198.
US2003199030-A1.
23-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                              PD 16-OCT-2003.

PA (GETH) GENENTECH INC.

Query Match
Best Local Similarity 50.2%;

RESULT 198

ID ADD02597 standard; protein; 20

DE Human PRO polypeptide #198.

PN US2003203431-A1.
                                                                                                                                                                US2003203030-0CT-2003.
(GETH ) GENENTECH INC.
45.9%;
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Human tumour antigen derived US2002037581-A1.
28-MAR-2002.
(UABR-) UAB RES FOUND.
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50.2%;
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Human PRO polypeptide #198.
US2003199057-A1.
23-OCT-2003.
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Human PRO polypeptide #198.
US2003203430-Al
                                       45.9%;
                                                                Human PRO polypeptide #198.
US2003194779-A1.
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(GETH ) GENENTECH INC.
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RESULT 203
ID ADD91426 standard; p
DE Human PRO polypeptid
PN US2003199055-A1.
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Best Local Similarity
RESULT 202
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Best Local Similarity
RESULT 200
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(GETH ) GEN
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Novel human secreted and transmembrane protein PRO322
US2003194767-A1.
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L.1e-40;
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No. 1.1e-40;
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No. 1.1e-40;
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Human secreted/transmembrane protein, PRO322
US2003203435-A1.
30-OCT-2003.
(GETH ) GENENTECH INC.
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Pred. No. 1
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Best Local Similarity 50.2%; Score 630.5
RESULT 210
ID ADD73212 standard; protein; 260 AA.
DE Human secreted/transmembrane protein, PR PD 30-OCT-2003.
PD 30-OCT-2003.
PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 50.2%; Pred. No. 1
RESULT 211
ID ADE42029 standard; protein; 260 AA.
DE Human PRO polypeptide #198.
PD 16-OCT-2003.
                                                                                                Score 630.5
Pred. No. 1
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Human secreted/transmembrane protein,
US2003203434-A1.
30-OCT-2003.
(GETH ) GENENTECH INC.

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US2003199023-A1.
23-OCT-2003.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #198.
US2003194772-A1.
16-OCT-2003.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #198.
US2003199053-A1.
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US2003199056-A1.
23-OCT-2003.
                                                                                                                                                                                                                                                                                            45.9%;
                                                                                                                                                                                                                                                                                                                                                                     ADD79493 standard; protein;
Human PRO polypeptide #198.
US2003203428-A1.
30-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                   45.9%;
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(GETH ) GENENTECH INC
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2003.
LOCAL GENENTECH IN BEST LOCAL Similarity
RESULT 213
ID ADD91978 Star?
DE Human PPC
PN US?
                            US2003194765-A1.
16-OCT-2003.
(GETH) GENENTECH INC
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Best Local Similarity
RESULT 209
ID ADE16597 standard; p
DE Human secreted/trans
PN US2003203435-A1.
PD 30-OCT-2003.
,65-A1.

,2003.

,uery Match
Best Local Similarity
RESULT 206
ID ADE22269 stand*
DE Human PRO T
PN US20031*
PD 23-
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JT 212
ADE17846 standard;
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Best Local Similarity
RESULT 208
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No. 1.1e-40;
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Pred. No. 1.
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Pred. No. 1.
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No. 1
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Pred. No. 1
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Pred. No. 1
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Pred. No. 1
                                        ADE33993 standard, protein, 260 AA.
Novel human secreted and transmembrane
US2003194791-A1.
16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                           ADD72570 standard; protein; 260 AA.
Human secreted/transmembrane protein,
US2003194781-A1.
16-OCT-2003.
(GETH ) GENENTECH INC.
25.9%; Score 630
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Pred.
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Human PRO polypeptide #198.
US2003194768-A1.
16-OCT-2003.
(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
Match 45.9%;
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Human PRO polypeptide #198.
US2003199033-A1.
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Human PRO polypeptide #198.
US2003199064-A1.
23-OCT-2003.
    GENENTECH INC.

A5.9%;
Aimilarity 50.2%;
                                                                                                              Human PRO polypeptide #198.
US2003207417-A1.
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Human PRO polypeptide #198.
US2003199025-Al.
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Human PRO polypeptide #198.
US2003199059-A1.
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Human PRO polypeptide #198.
US2003199026-A1.
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(GETH ) GENENTECH INC
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(GETH ) GENENTECH INC
Query Match
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RESULT 220
ID ADE18950
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RESULT 221
       Query Match
Best Local Similarity
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Best Local Similarity
RESULT 219
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16-OCT-2003
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                                                                                                                                                      ADE32889 standard; protein; 260 AA.
Novel human secreted and transmembrane protein PRO322 US2003194766-A1.
16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                  ; DB 7;
            ; DB 7;
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No. 1.1e-40;
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ID ADE17221 standard; protein; 260 AA.
DE Human secreted/transmembrane protein, PRO322 PN US2003203433-A1.
PD 30-OCT-2003.
PA (GETH ) GENENTECH INC.
                                                                                                                   630.5;
No. 1.1
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Pred. No. 1.
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RESULT 230
ID ADE40909 standard; protein; 2
DE Human PRO polypeptide #198.
PN US2003199031-A1.
PD 23-OCT-2003.
PA (GETH) GENENTECH INC.
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(GETH ) GENENTECH INC.
Watch 45.9%;
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RESULT 229
ID ADD89625 standard; protein; 2
DE Human PRO polypeptide #198.
PN US2003199028-A1.
PD 23-OCT-2003.
PA (GETH) GENENTECH INC.
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                                                                                                                                                                                                                                     Best Local Similarity 50.2%;
RESULT 226
ID ADE42581 standard; protein; 2
DE Human PRO polypeptide #198.
PN US2003199032-A1.
PD 23-OCT-2003.
PA (GETH) GENENTECH INC.
        Query Match
Best Local Similarity 50.2%;
RESULT 224
ID ADD78939 standard; protein;
DE Human PRO polypeptide #198.
PN US2003203429-A1.
                                                                                                                   45.9%;
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Human PRO polypeptide #198.
US2003207418-A1.
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Human PRO polypeptide #198.
US2003194777-A1.
16-OCT-2003.
                                                                                        30-OCT-2003.
(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC
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Best Local Similarity
RESULT 232
ID ADE92837 standard; p
DE Human PRO polypeptid
PN US2003194777-A1.
PD 16-OCT-2003.
PA (GETH ) GENENTECH IN
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Best Local Similarity
RESULT 225
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Novel human secreted and transmembrane protein PRO322
US2003207381-A1.
06-NOV-2003.
                                                                                                                         protein PRO322
                                                                                                                                                                                                   ADG23187 standard; protein; 260 AA.
Novel human secreted and transmembrane protein PRO322
US2003207384-A1.
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No. 1.1e-40;
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No. 1.1e-40;
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No. 1.1e-40;
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No. 1.1e-40;
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 Score 630.5; DB 7 Pred. No. 1.1e-40;
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Query Match
Best Local Similarity 50.2%; Pred. No. 1.1e-'
RESULT 238
ID ADG52992 standard; protein; 260 AA.
DE Human secreted/transmembrane protein, PRO322
PN US2003216561-A1.
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No. 1.3
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Pred. No. 1
                                                                                                              ADG21546 standard; protein; 260 AA. Novel human secreted and transmembrane US2003207355-A1. 06-NOV-2003. (GETH ) GENENTECH INC.
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                                ADF47235 standard; protein; 260 AA.
Human secreted/transmembrane protein,
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Pred.
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GENENTECH INC.
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US2003207370-A1.
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Human PRO polypeptide #198.
US2003207372-A1.
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Human PRO polypeptide #198.
US2003207373-A1.
06-NOV-2003.
 45.9%;
50.2%;
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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                                                                16-OCT-2003. (GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC
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RESULT 236
ID ADF97522 standard; F
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Best Local Similarity
RESULT 237
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RESULT 239
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             Similarity
                                                    US2003195333-A1.
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Best Local Similarity 50.2%; Score 630.5; DB 7; Leng
RESULT 246
ID ADH81407 standard; protein; 260 AA.
DE Novel human secreted and transmembrane protein PRO322.
PN US2003207377-A1.
PD 06-NOV-2003.
PA (GETH ) GENENTECH TMC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADN15975 standard; protein; 260 AA.
Novel human secreted and transmembrane protein PRO322 US2003087353-A1.
08-MAY-2003.
(GETH ) GENENTECH INC.
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Novel human secreted and transmembrane protein PRO322
US2003087355-A1.
08-MAY-2003.
(GETH ) GENENTECH INC.
3ry Match
3t Local Similarity 50.2%; Pred. No. 1.1e-40;
                                                                                                                                                                            Novel human secreted and transmembrane protein PRO322 US2003207385-A1.
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                     PRO322
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No. 1.1e-40;
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No. 1.1e-40;
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No. 1.1e-40;
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PN WO2003042661-A2.
PD 22-MAY-2003.
PA (EOSB-) EOS BIOTECHNOLOGY INC.
Query Match
Best Local Similarity 50.2%; Pred No.
                                                                                                                                                                                                                                                                                      ADH81959 standard; protein; 260 AA.
Novel human secreted and transmembrane
US2003207388-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
          in; 260 AA.
transmembrane
                                                                                                     ADI61072 standard; protein; 260 AA.
Human secreted/transmembrane protein,
US2003077700-A1.
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(GETH ) GENENTECH INC.
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       Novel human secreted and trains US2003207379-A1.
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(GETH ) GENENTECH INC.
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Best Local Similarity

RESULT 245

ID ADH81959 standard; pr

DE Novel human secreter

PN US2003207388-
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___APR-2003.
(GETH ) GENENTECH I.
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Best Local Similarity
RESULT 244
ID ADI64097 stard
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RESULT 243
T 242
ADH55878 standard;
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      ADN15423 standard; protein; 260 AA.
Novel human secreted and transmembrane protein PRO322
US2003087356-A1.
                                                                              Novel human secreted and transmembrane protein PRO322 US2003087357-A1.
                                                                                                                                                                                                                                               ADI63545 standard; protein; 260 AA.
Novel human secreted and transmembrane protein PRO322
US2003207387-A1.
                                                                                                                                                                  ADI65046 standard; protein; 260 AA.
Novel human secreted and transmembrane protein PRO322
US2003207386-A1.
06-NOV-2003.
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No. 1.1e-40;
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No. 1.1e-40;
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No. 1.1e-40;
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No. 1.1e-40;
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Pred. No. 1.1e-40;
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Novel human secreted and transmembrane
US2003092115-A1.
15-MAY-2003.
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(GETH ) GENENTECH INC.
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08-MAY-2003.

(GETH ) GENENTECH INC.

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Human PRO polypeptide #198.
US2003100087-A1.
29-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADD87945 standard; protein;
Human PRO polypeptide #198.
US2003092113-A1.
15-MAY-2003.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #198.
US2003203440-A1.
30-OCT-2003.
(GETH ) GENENTECH INC.
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US2003211571-A1.
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Query Match
Best Local Similarity 5
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Query Match
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Best Local Similarity
ESULT 252
D ADN14871 standard; 1
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Local Similarity
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RESULT 258
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RESULT 259
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ADD76581 standard
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RESULT 251
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                                                                                                ID ADE41322 standard; protein; 260 AA.

DE Human secreted/transmembrane PRO polypeptide #36.

PN US2003100497-A1.

PD 29-MAY-2003.

PA (GETH ) GENENTECH INC.

Query Match

Best Local Similarity 50.2%; Pred. No. 1.1e-40;

RESULT 262

ID ADE23373 standard; protein; 260 AA.

DE Human PRO polypeptide #198.

PN US2003092108-A1.

PD 15-MAY-2003.

PA (GETH ) GENENTECH INC.
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L.1e-40;
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..le-40;
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No. 1.1e-40;
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No. 1.1e-40;
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Pred. No. 1
ADE48729 standard; protein; 260 AA. Human secreted/transmembrane protein, US2003104536-A1. 05-JUN-2003. (GETH ) GENENTECH INC.
                                                                  Score Pred. 1
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PN US2003092111-A1.
PD 15-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity, 50.2%; PRESULT 265
                                                                                                                                                                                                                                                                                    Best Local Similarity 50.2%;
RESULT 263
ID ADE23925 standard; protein; 2
DE Human PRO polypeptide #198.
PN US2003092110-A1.
PD 15-MAY-2003.
PA (GETH) GENENTECH INC.
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PA (GETH) GENENTECH INC.

Query Match
Best Local Similarity 50.2%;

RESULT 266

ID ADE89259 standard; protein; 2

DE Human PRO polypeptide #198.

PN US2003199062-A1.

PD 23-OCT-2003.

PA (GETH) GENENTECH INC.
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Human PRO polypeptide #198.
US2003203439-A1.
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Human PRO polypeptide #198.
US2003199054-A1.
23-OCT-2003.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #198.
US2003194794-A1.
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(GETH ) GENENTECH INC
                                                            Query Match
Best Local Similarity
SULT 261
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SULT 267
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268
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260 AA

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ADE92285 standard; protein;
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No. 1.1e-40;
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Human secreted/transmembrane protein, PRO322
US2003130181-A1.
10-JUL-2003.
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Human secreted/transmembrane protein, PRO322
US2003198994-A1.
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Human secreted/transmembrane protein,
US2003195148-A1.
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16-OCT-2003.
(GETH ) GENENTECH INC.
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US2003199027-A1.
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Human PRO polypeptide #198.
US2003199061-A1.
23-OCT-2003.
(GETH ) GENENTECH INC.
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HILLAN K J.
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FILVAROFF E
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BOTSTEIN D.
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RESULT 274
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Best Local Similarity
SULT 271
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Pred. No. 1.1e-40;
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No. 1.1e-40;
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No. 1.1e-40;
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ID ADF23730 standard; protein; 260 AA.

DE Human secreted/transmembrane protein, PRO322.

PN US2003203402-A1.

PD 30-OCT-2003.

PA (GETH ) GENENTECH INC.

Query Match
Best Local Similarity 50.2%; Pred. No. 1.1e-40;
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No. 1.1e-40;
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No. 1.1e-40;
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Query Match
Best Local Similarity 50.2%;

RESULT 278

ID ADF40786 standard; protein; 260 AA.

DE Human secreted/transmembrane protein, PR

PN US2003199021-A1.

PD 23-OCT-2003.

PA (GETH) GENENTECH INC.

PA (GETH) GENENTECH INC.

45.9%; Score 630.
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Pred. No. 1
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DE Human secreted/transmembrane protein, PB VS2003194780-A1.

PD 16-OCT-2003.

PA (GETH) GENENTECH INC.

Query Match

Best Local Similarity 50.2%; Pred. No. 1 RESULT 281

ID ADF34970 standard; protein; 260 AA.
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Human secreted/transmembrane protein,
US2003199437-A1.
23-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                    ADF24354 standard; protein; 260 AA.
Human secreted/transmembrane protein,
US2003204055-A1.
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Human PRO polypeptide #198.
US2003199029-A1.
23-OCT-2003.
(GETH ) GENENTECH INC.
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23-OCT-2003.
(GETH ) GENENTECH INC.
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ADE95279 standard; protein;
Human PRO polypeptide #198.
US2003199052-A1.
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ADE93389 standard; protein;
Human PRO polypeptide #198.
US2003199060-A1.
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RESULT 277
ID ADF24354 standard; p
DE Human secreted/trans
PN US2003204055-A1.
PD 30-OCT-2003.
PA (GETH ) GENENTECH IN
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(GETH ) GENENTECH
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Novel human secreted and transmembrane protein PRO322 US2003199051-A1.
23-OCT-2003.
(GETH ) GENENTECH INC.
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Human secreted/transmembrane protein, PRO322
US2003199674-A1.
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Human secreted/transmembrane protein, PRO322
US2003195344-A1.
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13-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                      ard; protein; 260 AA.
transmembrane protein,
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Human secreted/transmembrane protein,
US2003211092-A1.
13-NOV-2003.
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Human secreted/transmembrane protein,
US2003194410-A1.
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US2003199063-A1.
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Human PRO polypeptide #198.
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(GETH ) GENENTECH INC.
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DE Novel human secreted and transmembrane protein PRO322.

PN US2003207426-A1.

PD 06-NOV-2003.

PA (GETH) GENENTECH INC.

Query Match

A5.9%; Score 630.5; DB 8; Length

Best Local Similarity 50.2%; Pred. No. 1.1e-40;

RESULT 298

ID ADF98645 Standard; protein; 260 AA.

DE Human PRO polypeptide #198.

PN US2003208055-A1.

PD 06-NOV-2003.

PA (GETH) GENENTECH INC.
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No. 1.1e-40;
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No. 1.1e-40;
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Human PRO polypeptide #198.
US2003207351-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
                         45.9%;
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Human PRO polypeptide #198.
US2003207422-A1.
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US2003207359-A1.
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Human PRO polypeptide #198.
US2003207353-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #198.
US2003207375-A1
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(GETH ) GENENTECH INC.
              GENENTECH INC
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(GETH ) GENENTECH INC
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Best Local Similarity
RESULT 295
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ADG22098 standard;
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RESULT 296
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ADG23739 standard; protein; 260 AA.
Novel human secreted and transmembrane protein PRO322
US2003207389-A1.
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Novel human secreted and transmembrane protein PRO322
US2003207427-A1.
06-NOV-2003.
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US2003207423-A1.
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Human PRO polypeptide #198.
US2003207371-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
                 45.9%;
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Human PRO polypeptide #198.
US2003207357-A1.
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Human PRO polypeptide #198.
US2003207374-A1.
                                 ADG19508 standard; protein;
Human PRO polypeptide #198.
US2003207425-A1.
06-NOV-2003.
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Human PRO polypeptide #198.
US2003219885-A1.
27-NOV-2003.
(GETH ) GENENTECH INC.
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SULT 316
Novel human secreted and transmembrane protein PRO322
US2003207428-A1.
GETH) GENENTECH INC.
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Novel human secreted and transmembrane protein PRO322
US2003207362-A1.
                                   JT 312
ADG07226 standard; protein; 260 AA.
Novel human secreted and transmembrane protein PRO322
US2003207350-A1.
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No. 1.
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06-NOV-2003.
(GETH ) GENENTECH TWO
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Novel human secreted and transmembrane
US2003194778-A1.
16-OCT-2003.
(GETH ) GENENTECH INC.
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06-NOV-2003.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #198.
US2003207358-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC
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06-NOV-2003.

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Best Local Similarity
RESULT 320
ID ADG55825 stand*
DE Novel humar
PN US2003?*
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GENENTECH INC
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Best Local Similarity
RESULT 319
ID ADG56929 stand-
DE Novel humar
PN US20037
PD 06
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RESULT 318
ID ADG57481 standard; p
DE Novel human serreted
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RESULT 313
ID ADG07778 standard; p
DE Novel human secreted
PN US2003207356-A1.
PD 06-NOV-2003.
PA (GETH) GENENTECH IN
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Best Local Similarity
RESULT 317
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Novel human secreted and transmembrane protein PRO322 US2003207421-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
                              585 standard; protein; 260 AA.
human secreted and transmembrane protein PRO322
                                                                                                                ADG70951 standard; protein; 260 AA.
Novel human secreted and transmembrane protein PRO322
US2003207420-A1.
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Human secreted/transmembrane protein, PRO322
US2003207803-A1.
                                                                                                                                                          (GETH) GENENTECH INC.

Query Match
Best Local Similarity 50.2%; Pred. No.
SULT 323
ADG58033 standard; protein; 260 AA.
Novel human secreted and transmembrane
US2003207363-A1.
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(GETH ) GENENTECH INC.
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Human PRO polypeptide #198.
US2003207805-A1.
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Human PRO polypeptide #198.
US2003077723-A1.
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(GETH ) GENENTECH INC.
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                                                                         (GETH ) GENENTECH INC
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(GETH ) GENENTECH INC
        Best Local Similarity RESULT 321
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                                                                                                                                                                                                                                                                                                                                                         Local Similarity 325
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SULT 329
                              ADG58585 standard;
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                                                                                             Local Similarity
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SULT 327
                                                                                                                                                                                                                                                                                JT 324
ADG53617 standard
                                                  US2003207368-A1.
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A (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Novel human secreted and transmembrane protein PRO322 US2003207366-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AUH12643 standard; protein; 260 AA.
Novel human secreted and transmembrane protein PRO322
US2003207378-A1.
                                                                                                                                                                                                           ADG52441 standard; protein; 260 AA.
Novel human secreted and transmembrane protein PRO322
                                                                                                                                                                                                                                                                          ; DB 8;
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No. 1.1e-40;
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No. 1.1e-40;
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No. 1.3
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Pred. No. 1.
                                                                            630.5;
No. 1.
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No. 1.
RESULT 330

ID ADG49944 standard; protein; 260 AA.

DE Human secreted/transmembrane protein, PR
PN US2003215905-A1.

PD 20-NOV-2003.

PA (GETH) GENENTECH INC.

Query Match
Abest Local Similarity 50.2%; Pred. No. 1

RESULT 331

ID ADG51816 standard; protein; 260 AA.

DE Human secreted/transmembrane protein, PR
PN US2003215908-A1.

PD 20-NOV-2003.

PA (GETH) GENENTECH INC.
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No.
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Human secreted/transmembrane protein,
US2003216305-A1.
20-NOV-2003.
(GETH ) GENENTECH INC.
A5.9%; Score 630
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADG48696 standard; protein; 260 AA.
Human secreted/transmembrane protein,
US2003216560-A1.
20-NOV-2003.
(GETH ) GENENTECH INC.
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Pred.
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Pred.
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Pred.
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Best Local Similarity 50.2%; RESULT 335
ID ADG81138 standard; protein; 20
DE Human PRO polypeptide #198.
PN US2003194793-A1.
PD 16-OCT-2003.
PA (GETH ) GENENTECH INC.
                                                                                                                                                                         45.9%;
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(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                   US2003207414-A1.
06-NOV-2003.
(GETH ) GENENTECH INC
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RESULT 334
ID ADG49320 standard; pu
DE Human secreted/
PN US200321
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.-2003.
...aTH) GENENTECH I
Local Similarity
RESULT 333
ID ADG54169 stand
DE Novel humar
PD 06
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RESULT 332
ID ADG52441 standard; p
DE Novel human secreted
PN US2003207414-A1.
PD 06-NOV-2003.
PA (GETH ) GENENTECH IN
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SULT 336
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Best Local Similarity
RESULT 338
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                                                                                                                                                                                                                                                                ADG59761 standard; protein; 260 AA.
Novel human secreted and transmembrane protein PRO322
US2003207369-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                              ADG54721 standard; protein; 260 AA.
Novel human secreted and transmembrane protein PRO322
US2003207367-A1.
ADG61489 standard; protein; 260 AA.
Novel human secreted and transmembrane protein PRO322
US2003207429-A1.
06-NOV-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 630.5; DB 8;
Pred. No. 1.1e-40;
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No. 1.1e-40;
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No. 1.1e-40;
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No. 1.1e-40;
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                                                        630.5;
No. 1.
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Human secreted/transmembrane protein,
US2004006219-A1.
08-JAN-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                       ADG51192 standard; protein; 260 AA.
Human secreted/transmembrane protein,
US2004005312-A1.
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Pred.
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Pred.
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Best Local Similarity 50.2%;
RESULT 344
ID ADH43505 standard; protein; 20
DE Human PRO polypeptide #36.
PN US2003224984-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         45.9%;
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US2003207361-A1.
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RESULT 345
ID ADG59136 standard; protein;
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                                                                                                                                              45.9%;
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50.2%;
                                                        45.9%;
                                                                                     Human PRO polypeptide #198.
US2003022331-A1.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC
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                                               GENENTECH INC
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Best Local Similarity
RESULT 346
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Best Local Similarity
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Best Local Similarity
                                                                    Local Similarity
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(GETH ) GEN
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(GETH ) GEN
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Novel human secreted and transmembrane protein PRO322
US2004039164-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity 50.2%; Pred. No. 1.1e-40; RESULT 353
ID ADI14731 standard; protein; 260 AA.
DE Novel human secreted and transmembrane protein PRO322 PN US2003207383-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADI18326 standard; protein; 260 AA.
Novel human secreted and transmembrane protein PRO322 US2003207349-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                 AUGUYY28 standard, protein; 260 AA.
Novel human secreted and transmembrane protein PRO322
US2004009548-Al.
                                                                                                                                                                                                                                                                                protein PRO322
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                                                                                              sednence
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Best Local Similarity 50.2%; Score 630.5; DB 8;
RESULT 352
ID ADG09276 standard; protein; 260 AA.
DE Novel human secreted and transmembrane protein PRC PD 15-JAN-2004.
Pp 15-JAN-2004.
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Pred. No. 1.1e-40;
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No. 1.1e-40;
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No. 1.1e-40;
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                                    L SCI.
Score 630.5; DB 8
Pred. No. 1.1e-40;
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No. 1.1
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No. 1.
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                                                                                 260 AA.
related
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Pred.
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Pred.
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45.9%; S
50.2%; P
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PA (GETH) GENENTECH INC.

Query Match
Best Local Similarity 50.2%;

RESULT 357

ID ADJ77502 standard; protein; 2000 Human PRO polypeptide #198.
                                                                                                                                                                                                                                                                                                                                                                                     45.9%;
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IT 355
ADI37154 standard; protein;
Human TADG-14 protein.
US2003199010-A1.
                                                                                 ADH25617 standard, protein,
Human neurotrimin homologue
EP1386931-A1.
                                                                                                                                          45.9%;
                                                                                                                                                                                                                                     45.9%;
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(GETH ) GENENTECH INC.
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(UYAR-) UNIV ARKANSAS
                                                                                                                               GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             06-NOV-2003.
(GETH ) GENENTECH INC.
Human TADG-14 protein
US6642013-B1.
04-NOV-2003.
                                     UNIV ARKANSAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
RESULT 354
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity 356
                                                                                                                                                      Best Local Similarity
SULT 350
ADG09928 standard;
                                                                                                                                                                                                                                  Query Match
Best Local Similarity
RESULT 351
                                                        Best Local Similarity RESULT 349
                                                                                                                     04-FEB-2004
(GETH ) GEN
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Query Match
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L.1e-40;
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                                                                                                    Score 630.5; DB 8; Pred. No. 1.1e-40;
                                                                                                                                                                                                                                                         630.5; DB 8;
No. 1.1e-40;
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                           DB 8;
                          Score 630.5; DB 8 Pred. No. 1.1e-40;
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                                                                                                                                                                                                                                                                                                                                                           ADL07228 standard; protein; 260 AA.
Human secreted/transmembrane protein, PRO322.
US2004063921-A1.
01-APR-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                              PRO322
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 630.5;
Pred. No. 1.3
                                                                                                                                                                                                                                    PD 11-MAR-2004.

PA (GETH) GENENTECH INC.

Query Match

A5.9%; Score 630.5

Best Local Similarity 50.2%; Pred. No. 1

RESULT 361

ID ADM17394 standard; protein; 260 AA.

DE Human secreted/transmembrane protein, PR

PN US2004048332-A1.

PD 11-MAR-2004.

PA (GETH) GENENTECH INC.
                                                                                                                              ADJ65624 standard; protein; 260 AA.
Human PRO polypeptide #198.
US2004038335-Al.
26-FEB-2004.
(GETH ) GENENTECH INC.
thery Match
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there is a similarity 50.2%; Pred. No.
                                                      260 AA
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                                                     ADK82850 standard; protein; 2
Human PRO polypeptide #36.
US2004043927-A1.
04-MAR-2004.
(GETH ) GENENTECH INC.
uery Match
est Local Similarity 50.2%;
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Human PRO polypeptide #198.
US2004048333-A1.
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Human PRO polypeptide #198.
US2004058424-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADN62866 standard; protein;
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PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 5
RESULT 364
                  GENENTECH INC.
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SPYTEK K A.
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                 Best Local Similarity
RESULT 358
ID Ankon
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PEYMAN J A.
KEKUDA R.
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Best Local Similarity
RESULT 360
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Best Local Similarity
RESULT 359
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US2004038336-A1.
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US2004038223-A1
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Human ovarian cancer-related tumour marker kallikrein
WO2004075713-A2.
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Novel human secreted and transmembrane protein PRO322
US2003207354-A1.
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1.1e-40;
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2.4e-40;
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Pred. No.
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Human serine protease protein sequence
JP11225765-A.
                                                                                                                                                                                                                     Antipsoriatic protein; 260 AA. WO2004028479-A2.
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                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity 50.2%;
RESULT 367
ID ADI95828 standard; protein; 2
DE Human PRO polypeptide #198.
PN US2003077659-A1.
PD 24-APR-2003.
PA (GETH) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOUNT SINAI HOSPITAL.
h
similarity 50.2%;
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PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 5
RESULT 366
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(GETH ) GENENTECH INC
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...2003.
...eTH ) GENENTECH I.
Est Local Similarity
RESULT 368
ID ADI96380 stand-
DE Novel humar
PN US2003'
                    JI W.
MILLER C E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
RESULT 369
                                                            PENA C E A.
SHENOY S G.
SHIMKETS R P.
ROTHENBERG P.
LEACH M D.
AGEE M L.
BERGHS C.
DIPIPPO V A.
EISEN A.
                                                                                                                                        V
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PA (MOUN) MOUNT SINAI
Query Match
Best Local Similarity
RESULT 370
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                                        RASTELLI L.
STONE D J.
PENA C E A.
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(SUNR ) SUN
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                 Length 306;
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Human recombinant neuropsin, used for antibody production
JP08245700-A.
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Mouse ischaemic condition related protein sequence SEQ WO200188188-A2.
22-NOV-2001.
(UYNI-) UNIV NIHON SCHOOL JURIDICAL PERSON.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               622.5; DB 5;
No. 4.5e-40;
                                                                                                                                                                                                                                                                ; DB 3;
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PA (IGAK-) IGAKU SEIBUTSUGAKU KENKYUSHO KK.
Query Match
Best Local Similarity 49.0%; Pred. No. 4.5e-40;
RESULT 376
ID AAW12393 standard; protein; 260 AA.
DE Mouse neuropsin protein.
PN JP08311099-A.
                                                                                                                                                                                                                                                                                                                                                                                                                               Score 622.5; DB 2
Pred. No. 4.5e-40;
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No. 4.5e-40;
                                                                                                                                                                       BEECHAM PLC.
45.6%; Score 626.5; DB 2
50.4%; Pred. No. 2.2e-40;
                 Score 627; DB 3;
Pred. No. 2.4e-40;
                                                                                                  627; DB 5;
No. 2.4e-40;
                                                ABP41332 standard; protein; 315 AA.
Human ovarian antigen HCOQP78, SEQ ID NO:2464
                                                                                                                             AAW87703 standard; protein; 260 AA.
A human serine protease designated HGBAB90
EP887414-A2.
                                                                                                                                                                                                                                                                 626.5;
No. 2.3
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Pred.
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AAB21311 standard; protein; 275 AA
       | GENOME SCI INC.
45.6%; Sarity 50.9%; P
                                                                       (MOUN ) MOUNT SINAI HOSPITAL.
                                                                                                                                                                                 45.6%;
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ID ADI39731 standard; protein;
DE Mouse neuropsin protein.
PN US6642013-B1.
PD 04-NOV-2003.
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WO9936550-A2.
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22-JUL-1999.
(INCY-) INCYTE PHARM INC.
Match 45.3%;
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                Best Local Similarity
RESULT 372
ID ABP41332 standard; D
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RESULT 379
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                                                                                                                                                               30-DEC-1998.
(SMIK ) SMITHKLINE
                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 375
                                                                                                  Query Match
Best Local Similarity
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(SHIO/) SHIOZAKA
                                                                                                                                                                                                                         Human neuropsin.
WO200053776-A2.
14-SEP-2000.
                                                                    WO200200677-A1.
          HUMAN
21-SEP-2000
(HUMA-) HUM
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RESULT 373
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3.7e-40;
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Pred. No. 8.7e-40;
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Pred. No. 8.7e-40;
                                                                                                             <u>α</u>
622.5; DB 8;
No. 4.5e-40;
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No. 5.3e-40;
                                                                                                            Score 622.5; DB 8 Pred. No. 4.5e-40;
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No. 8.7
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No. 8.
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                                                                                                                                                                   SeqID 610
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DE Human secreted protein encoded by ge
PN WO200162891-A2.

PD 30-AUG-2001.

PA (HUMA-) HUMAN GENOME SCI INC.

Query Match

Best Local Similarity 48.2%; Pred. N
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Pred.
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ID ABG61816 standard; protein; 250 AA.
DE Prostate cancer-associated protein
PN WO200230268-A2.
PD 18-APR-2002.
PA (EOSB-) EOS BIOTECHNOLOGY INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
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Pred.
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Best Local Similarity 48.2%; Score
RESULT 386
ID AAU12424 standard; protein; 250 AA
DE Human PRO1279 polypeptide sequence
PN WO200140466-A2.
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ID AAY99390 standard; protein; 250 AA DE Human PRO1279 (UNQ649) amino acid PN WO200012708-A2.
PD 09-MAR-2000.
PA (GETH ) GENENTECH INC.
   Score
Pred.
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Query Match

Best Local Similarity 48.2%;

RESULT 385

ID AAB66139 standard; protein; 250

DE Protein of the invention #51.

PN WO200078961-A1.

PD 28-DEC-2000.

PA (GETH ) GENENTECH INC.

A5.0%; 5

Match
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Best Local Similarity 49.0%; I
Best Local Similarity 49.0%; I
Best Local Similarity 49.0%; I
Best Local Similarity A9.0%; I
D ADI17074 standard; protein; 26
DE Rat NOVX protein homologue Sec
PN WO200268649-A2.
PA (CURA-) CURAGEN CORP.
Query Match
Best Local Similarity 48.6%; I
Best Local Similarity 48.6%; I
BESULT 383
ID AAB21325 standard; protein; 25
DE Human TLSP.
PN WO200053776-A2.
PD 14-SEP-2000.
PA (MOUN) MOUNT SINAI HOSPITAL.
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Seq ID No
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48.2%;
  45.3%;
                                          ADI37155 standard; protein;
Mouse neuropsin.
US2003199010-A1.
23-OCT-2003.
(UYAR-) UNIV ARKANSAS.
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Human PRO protein,
WO200208288-A2.
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Query Match
Best Local Similarity
RESULT 381
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13-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                     ABO33797 standard; protein; 250 AA.
Novel human secreted and transmembrane protein PRO1279 US2003045687-A1.
06-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                     protein; 250 AA.
related protein PRO1279 SEQ ID NO:
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No. 8.7e-40;
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.7e-40;
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No. 8.7e-40;
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618.5; DB 5
No. 8.7e-40;
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No. 8.7e-40;
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                  Human PRO1279 protein; 250 AA. WO200200690-A2.
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No. 8.7
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No. 8.
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No. 8
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Lung cancer-associated polypeptide #332
WO200286443-A2.
31-OCT-2002.
(EOSB-) EOS BIOTECHNOLOGY INC.
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GENENTECH INC.
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US2003036635-A1.
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Human PRO polypeptide #253.
US2003004311-A1.
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(GETH ) GENENTECH INC.
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WILLIAMS P M.
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(GETH ) GENENTECH INC
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RESULT 396
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GERRITSEN M
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BAKER K P.
FERRARA N.
                                                  (GETH ) GENENTECH Ouery Match Best Local Similarity
                                                                                   ABB95526 standard;
Human angiogenesis
WO200208284-A2.
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     Best Local Similarity RESULT 390
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Best Local Similarity
RESULT 394
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Novel human secreted and transmembrane protein PRO1279
US2003088063-A1.
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ID ABUGG822 standard; protein; 250 AA.

DE Human PRO polypeptide #253.

PN US2003036180-A1.

PD 20-FEB-2003.

PA (GETH ) GENENTECH INC.

Query Match

Best Local Similarity 48.2%; Pred. No. 8.7e-40;

RESULT 398

ID ABU59903 standard; protein; 250 AA.

DE Novel secreted and transmembrane protein PRO1279.

PN US2003017563-A1.

PD 23-JAN-2003.

PA (GETH ) GENENTECH INC.
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3.7e-40;
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Pred. No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7e-40;
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Human secreted/transmembrane, PRO, protein US2003032155-A1.
13-FEB-2003.
(GETH ) GENENTECH INC.
257 Match
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Human secreted/transmembrane protein (PRO)
US2003036179-A1.
20-FEB-2003.
(GETH ) GENENTECH INC.
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No. 8.7
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No. 8.
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Novel human secreted and transmembrane
US2003022328-A1.
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US2003054517-Al.
20-MAR-2003.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #253.
US2003073212-A1.
17-APR-2003.
(GETH ) GENENTECH INC.
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Human PRO1279 protein.
US2003050448-A1.
13-MAR-2003.
(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC
Query Match
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ID ABU82140 Stand
DE Novel home
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Best Local Similarity
RESULT 399
ID ABO25093 standard; p
DE Human secreted/trans
PN US2003036179-A1.
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RESULT 404
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Best Local Similarity
RESULT 405
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(GETH ) GENENTECH
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                                                                      ADB19514 standard; protein; 250 AA. Novel human secreted and transmembrane protein PRO1279 US2003068796-A1.
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3.7e-40;
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No. 8.7e-40;
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No. 8.7e-40;
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Pred. No. 8.
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Pred. No. 8
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10-APR-2003.
(GETH ) GENENTECH INC.
45.0%;
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01-MAY-2003.
(GETH ) GENENTECH INC.
45.0%;
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Best Local Similarity 48.2%;
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US2003068795-A1.
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Human PRO polypeptide #253.
US2003087350-A1.
08-MAY-2003.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #253.
US2003073215-Al.
17-APR-2003.
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Human PRO polypeptide #253.
US2003082704-Al.
 ADA61729 standard; protein;
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(GETH ) GENENTECH INC.
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US2003049816-A1
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Query Match
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(GETH ) GEN
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Novel human secreted and transmembrane protein PRO1279
US2003087345-A1.
08-MAY-2003.
(GETH ) GENENTECH INC.
25.0%; Score 618.5; DB 6; Lengi
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Novel human secreted and transmembrane protein PRO1279
US2003073211-A1.
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Novel human secreted and transmembrane protein PRO1279
US2003082694-A1.
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No. 8.7e-40;
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Pred. No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7e-40;
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Pred. No. 8.7e-40,
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No. 8.
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Pred. No. 8
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Novel human secreted and transmembrane
US2003082693-A1.
01-MAY-2003.
(GETH ) GENENTECH INC.
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RESULT 420
ID ADB16839 standard; protein; 2
DE Human PRO polypeptide #253.
PN US2003087349-A1.
PD 08-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match
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Human PRO polypeptide #253.
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Human PRO polypeptide #253.
US2003082763-A1.
01-MAY-2003.
(GETH ) GENENTECH INC.
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48.2%;
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Human PRO polypeptide #253.
US2003087351-A1.
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Human PRO polypeptide #253.
US2003082705-A1.
01-MAY-2003.
(GETH ) GENENTECH INC.
Human PRO polypeptide #253
US2003068794-A1.
10-APR-2003.
(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC
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(GETH ) GENENTECH INC
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Best Local Similarity
RESULT 421
ID ADA91931 stand-
DE Novel humer
PD 03
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RESULT 424
ID ADA94170
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Best Local Similarity
RESULT 417
ID ADA97194 standard; p
DE Human PRO polypeptid
PN US2003082705-A1.
PD 01-MAY-2003.
PA (GETH ) GENENTECH IN
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Best Local Similarity
RESULT 419
ID ADA87637 standard; I
DE Novel human secretec
PN US2003087345-A1.
PD 08-MAY-2003.
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Best Local Similarity
RESULT 416
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Best Local Similarity
RESULT 418
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Best Local Similarity
RESULT 422
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                                                   ADB20066 standard; protein; 250 AA.

ADB20066 standard; protein; 250 AA.

Novel human secreted and transmembrane protein PRO1279
US2003082691-A1.

01-MAY-2003.

(GETH ) GENENTECH INC.

ery Match

et Local Similarity 48.2%; Pred. No. 8.7e-40;
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3.7e-40;
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No. 8.7e-40;
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                             Score 618.5; DB 6
Pred. No. 8.7e-40;
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No. 8.7e-40;
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Pred. No. 8.
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No. 8
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Pred. No. 8
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Pred. No. 8
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Human PRO polypeptide SEQ ID NO 506.
US2003077713-A1.
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Pred.
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Human PRO polypeptide #253.
US2003082710-A1.
01-MAY-2003.
(GETH ) GENENTECH INC.
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US2003068798-A1.
10-APR-2003.
(GETH ) GENENTECH INC.
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US2003073216-Al.
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Human PRO polypeptide #253.
US2003082701-A1.
    24-APR-2003.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC
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RESULT 429
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US2003077722-A1.
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Pred. No. 8.7e-40;
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Pred. No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7e-40;
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Pred. No. 8.
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Pred. No. 8.
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Pred. No. 8.
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No.8
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DE Human PRO polypeptide #253.

PN US2003073210-A1.

PD 17-APR-2003.

PA (GETH) GENENTECH INC.

Query Match
Best Local Similarity 48.2%; Pred. No. RESULT 438

ID ADB25425 standard; protein; 250 AA.

DE Human PRO polypeptide SEQ ID NO 506.

PN US2003077715-A1.

PD 24-APR-2003.

PA (GETH) GENENTECH INC.
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Local Similarity 48.2%;

Local Similarity 48.2%;

ADB30134 standard; protein; 25
BE Human PRO polypeptide #253.
PN US2003073214-A1.
PD 17-APR-2003.
PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 4°.
RESULT 435
ID ADA80662 stand?
DE Human PRO r
PN US2003°.
PD 01-r
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ADB26951 standard; protein; 25
PN US2003092147-A1.
PD 15-MAY-2003.
PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 44
ID ADB31238 stand
PR US2007
PN US2007
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ADB31238 standard; protein; 25
PN US2003096386-A1.
PD 22-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 4P
RESULT 442
ID ABJ72448 stan?
PN US2^C
PN US2^C
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RESULT 439
ID ADA93601 standard; protein; 28
DE Human PRO polypeptide #253.
PN US2003077721-A1.
PD 24-APR-2003.
PA (GETH) GENENTECH INC.
Query Match
                                                                                                                                                                                                                                                                                    ADA75904 standard; protein; 2
Human PRO polypeptide #253.
US2003082703-A1.
01-MAY-2003.
(GETH ) GENENTECH INC.
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RESULT 436
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RESULT 437
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Novel human secreted and transmembrane protein PRO1279
US2003082765-A1.
01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRO 1279
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Pred. No. 8.7e-40;
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3.7e-40;
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9
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No. 8.7e-40;
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No. 8.7e-40;
                                                                              Score 618.5; DB 6 Pred. No. 8.7e-40;
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No. 8.7e-40;
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       Score 618.5; DB 6 Pred. No. 8.7e-40;
                                                                                                                                                                                                                          618.5;
No. 8.
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Human secreted/transmembrane polypeptide
US2003044934-A1.
                                                                                                                                                                                                                                                                                                 Score 618.5
Pred. No. 8
                                                                                                  Human PRO polypeptide SEQ ID NO 506. US2003077714-A1. 24-APR-2003. (GETH ) GENENTECH INC.
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Pred.
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Human PRO polypeptide #253.
US2003068797-A1.
10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                      45.0%;
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(GETH ) GENENTECH INC.
45.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                             45.0%;
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Human PRO polypeptide #253.
US2003082760-A1.
01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                45.0%;
48.2%;
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Human PRO polypeptide #253.
US2003082690-A1.
        45.0%;
48.2%;
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Human PRO polypeptide #253.
US2003082702-A1.
                                   protein;
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PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 48
RESULT 446
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(GETH ) GENENTECH INC
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GENENTECH INC
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Best Local Similarity
RESULT 448
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                                  ADA61166 standard;
Homo sapiens.
US2003049817-A1.
                                                                                                                                                 Query Match
Best Local Similarity
RESULT 445
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                                                                       GENENTECH
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(GETH ) GEN
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                                                                                                                                                                                                                                                                                                                                                                                                                                           ADA46577 standard; protein; 250 AA.
Novel human secreted and transmembrane protein PRO1279
US2003054516-A1.
20-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                 protein PRO1279
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No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7e-40;
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Human secreted/transmembrane protein PRO1279
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Human protein from novel secreted protein
US6525174-B1.
25-FEB-2003.
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Pred. No. 8.
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No. 8.
Score 618.5;
Pred. No. 8.
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No.8
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transmembrane
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DE Human PRO polypeptide #253.
PN US2003082699-A1.
PD 01-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 48.2%; ERSULT 458
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DE Human PRO polypeptide #253.

PN US2003082706-A1.

PD 01-MAY-2003.

PA (GETH ) GENENTECH INC.

Query Match

Best Local Similarity 48.2%;

RESULT 459
                                                                                                                                       ADA87086 standard; protein; 2.
Novel human secreted and tran
US2003082709-A1.
01-MAY-2003.
(GETH ) GENENTECH INC.
uery Match
est Local Similarity 48.2%;
                                     ADB18403 standard; protein; 2
Human PRO polypeptide #253.
US2003077710-A1.
24-APR-2003.
(GETH ) GENENTECH INC.
uery Match 45.0%;
est Local Similarity 48.2%;
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Human PRO polypeptide #253.
US2003059909-A1.
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48.2%;
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(GETH ) GENENTECH INC.
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Best Local Similarity
RESULT 455
ID ADA88189 stand
DE Novel hum
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Best Local Similarity
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SULT 454
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Best Local Similarity
SULT 453
  Query Match
Best Local Similarity
RESULT 452
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(GETH ) GEN
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Novel human secreted and transmembrane protein PRO1279
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                             protein PRO1279
                                                                                               ADA88741 standard; protein; 250 AA.
Novel human secreted and transmembrane protein PRO1279
US2003073213-A1.
                                                                                                                                                                                                                                                                                                                            ADB22436 standard; protein; 250 AA.
Novel human secreted and transmembrane protein PRO1279
US2003087344-A1.
08-MAY-2003.
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No. 8.7e-40;
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No. 8.7e-40;
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                                                                    Score 618.5; DB 7 Pred. No. 8.7e-40;
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 8.7e-40
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Human membrane bound receptor/protein PRO1279
US2003065147-A1.
             Novel human secreted and transmembrane US2003073129-A1.
 Pred. No.
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Pred.
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Human PRO polypeptide #253.
US2003022239-A1.
30-JAN-2003.
Query Match
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Human PRO polypeptide #253.
US2003068793-A1.
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US2003077711-A1.
                                                                                                                                                                            ADA97746 standard; protein;
Human PRO polypeptide #253.
US2003082686-A1.
 48.28;
                                                (GETH ) GENENTECH INC.
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Best Local Similarity
RESULT 467
ID ADA67127 standard; pr
DE Human PRO polypeption US2003068793
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Similarity
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(GETH ) GEN
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                                                                                                                                                                                                                                                                                     ADB80782 standard; protein; 250 AA.
Novel human secreted and transmembrane protein PRO1279
US2003088068-A1.
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Novel human secreted and transmembrane protein PRO1279
US2003082766-A1.
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Novel human secreted and transmembrane protein PRO1279
US2003096968-A1:
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Novel human secreted and transmembrane protein PRO1279
US2003092889-A1.
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Novel human secreted and transmembrane protein PRO1279
US2003087347-A1.
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Pred. No. 8.
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US2003087352-A1.
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Human PRO polypeptide #93.
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ID ADB73323 stand
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ID ADB80782 stand
DE Novel humar
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ID ADB38798 stand
DE Novel humar
PN US2003
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Best Local Similarity
RESULT 476
ID ADB78405 standard; p
DE Novel human secreted
PN US2003092889-A1.
PD 15-MAY-2003.
PA (GETH ) GENENTECH IN
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Best Local Similarity
RESULT 471
ID ADB15546 standard; p
DE Human PRO polypeptid
PN US2003087352-A1.
PD 08-MAY-2003.
PA (GETH ) GENENTECH IN
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Novel human secreted and transmembrane protein PRO1279.
US2003069397-A1.
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Novel human secreted and transmembrane protein PRO1279
US2003092886-A1.
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Pred. No. 8
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WO2002102235-A2.
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US2003092890-A1.
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Human PRO polypeptide #253.
US2003082762-A1.
01-MAY-2003.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #93.
US2003088067-A1.
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(GETH ) GENENTECH INC.
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RESULT 485
ID ADB87225 standard; pr
DE Human PRO polypept;
PN US2003088067
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JETH ) GENENTECH I.
Best Local Similarity
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ID ADB84807 stand
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US2003073817-A1
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(GETH ) GENENTE
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Pred. No. 8.7e-40;
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Pred. No. 8
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Prostate cancer marker protein.
WO2003009814-A2.
06-FEB-2003.
(MILL-) MILLENNIUM PHARM INC.
tuery Match
test Local Similarity 48.2%; Pred. Notest
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US2003077718-A1.
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Human PRO polypeptide SEQ ID NO 506
US2003077717-A1.
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Pred.
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Human PRO polypeptide SEQ ID NO 506
US2003077719-A1.
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Human PRO polypeptide #253.
US2003082697-A1.
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(GETH ) GENENTECH INC.
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RESULT 490
ID ADB73077 standard; pr
DE Novel human secreted
PN US2003092887-21
PD 15-MAY-22
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ID ADB34071 standard; p
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RESULT 491
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ID ADB35175 standard:
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15-MAY-2003.
(GETH ) GENENTECH INC.
                            Novel human secreted and transmembrane protein PRO1279 US2003082692-A1.
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US2003092105-A1.
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Novel human secreted and transmembrane protein PRO1279
US2003088070-A1.
08-MAY-2003.
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Novel human secreted and transmembrane protein PRO1279
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GENENTECH INC.
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Human PRO polypeptide #51.
US2003064925-A1.
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US2003088065-A1.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC
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                            ADC49652 standard; protein; 250 AA.
Novel human secreted and transmembrane protein PRO1279
US2003088071-A1.
08-MAY-2003.
                                                                                                           ADC47513 standard; protein; 250 AA.
Novel human secreted and transmembrane protein PRO1279 US2003088072-A1.
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08-MAY-2003.
(GETH ) GENENTECH INC.
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US2003087363-Al.
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1.7e-40;
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No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7e-40;
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Novel human secreted and transmembrane protein US2003087365-A1.
08-MAY-2003.
(GETH ) GENENTECH INC.
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No. 8.7
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RESULT 513
ID ADC65627 standard; protein;
DE Human PRO polypeptide #253.
PN US2003087362-A1.
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(GETH ) GENENTECH INC.
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RESULT 508
Query Match
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RESULT 507
ID ADC49652 standard; I
DE Novel human secreted
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Best Local Similarity
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Best Local Similarity
RESULT 512
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SULT 514
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                                                                                                                                                                                                            ADC47258 standard; protein; 250 AA.
Novel human secreted and transmembrane protein PRO1279
US2003105288-A1.
                                                                                                                                                                                                                                                                                                                                                             protein PRO1279
                                                                                    ADC56087 standard; protein; 250 AA.
Novel human secreted and transmembrane protein Seq
US2003087360-A1.
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                         protein Seq
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Pred. No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7
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No. 8.
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ADC90323 standard; protein; 250 AA. Novel human secreted and transmembrane US2003087348-A1.
          Novel human secreted and transmembrane US2003087359-A1.
08-MAY-2003.
(GETH ) GENENTECH INC.
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48.2%;
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US2003194773-A1.
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US2003194776-A1.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC
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Best Local Similarity
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Best Local Similarity
RESULT 522
ID ADC69742 standard;
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T 523
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SULT 520
ADD03331 standard;
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518
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Novel human secreted and transmembrane protein PRO1279
US2003087358-A1.
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Novel human secreted and transmembrane protein PRO1279
US2003092103-A1.
15-MAY-2003.
                                                                                                                                                                                    Query Match
Best Local Similarity 48.2%; Pred. No. 8.7e-40;
RESULT 527
ID ADD06368 standard; protein; 250 AA.
DE Novel human secreted and transmembrane protein PRO1279
PN US2003073816-A1.
Novel human secreted and transmembrane protein PRO1279 US2003096972-A1.
                                                                                                                             protein PRO1279
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Human secreted/transmembrane PRO polypeptide #104
US2003105011-A1.
05-JUN-2003.
(GETH ) GENENTECH INC.
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No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7e-40;
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No. 8.
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15-MAY-2003.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #253.
US2003194771-A1.
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Human PRO polypeptide #253.
US2003194774-A1.
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PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity
RESULT 534
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC
                                                     22-MAY-2003.
(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC
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Best Local Similarity
RESULT 529
ID ADD11198 standard; p
DE Human PRO polypeptid
PN US2003194774-A1.
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RESULT 532
ID ADC77887 standard;
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SULT 533
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                                                                                           Local Similarity
526
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US2003088066-A1
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(GETH ) GEN
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ID ADC48(
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spdi.

protein PRO1279

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ID ADD50850 standard; protein; 250 AA.

DE Novel human secreted and transmembrane protein PRO1279

PN US2003105291-A1.
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Novel human secreted and transmembrane protein PRO1279
US2003203438-A1.
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Human secreted/transmembrane PRO polypeptide #104
US2003105013-A1.
05-JUN-2003.
(GETH ) GENENTECH INC.
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No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7e-40;
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Human secreted/transmembrane protein PRO1279
US2003099625-A1.
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Human secreted/transmembrane protein PRO1279
US2003083462-A1.
                                                                                                            618.5;
No. 8.
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Pred. No. 8.
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US2003194792-A1.
16-OCT-2003.
(GETH ) GENENTECH INC.
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US2003194775-A1.
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16-OCT-2003.
(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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RESULT 543
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                                                       618.5; DB 7;
No. 8.7e-40;
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No. 8.7e-40;
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Pred. No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7e-40;
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Human secreted/transmembrane PRO polypeptide
US2003105012-A1.
05-JUN-2003.
(GETH ) GENENTECH INC.
                                                   Query Match
Best Local Similarity 48.2%; Pred. No. 8.7e-4
RESULT 544
ID ADD70208 standard; protein; 250 AA.
DE Human secreted/transmembrane protein PRO1279.
PN US2003054406-A1.
PD 20-MAR-2003.
PA (GETH) GENENTECH INC.
                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 48.2%; Score 618.5; DE
Best Local Similarity 48.2%; Pred. No. 8.7e-4
RESULT 546
ID ADD38329 standard; protein; 250 AA.
DE Human secreted/transmembrane protein PRO1279
PN US2003096955-A1.
PD 22-MAY-2003.
PA (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 48.2%; Pred. No. 8.7e-4
RESULT 547
ID ADD39285 standard; protein; 250 AA.
DE Human secreted/transmembrane protein PRO1279, PN US2003096954-A1.
PD 22-MAY-2003.
PA (GETH ) GENENTECH INC.
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No. 8.7
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US2003194779-A1.
16-OCT-2003.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #253.
US2003203431-A1.
30-OCT-2003.
(GETH ) GENENTECH INC.
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48.2%;
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Human PRO polypeptide #93.
US2003096971-A1.
Novel human secreted a US2003203437-A1. 30-OCT-2003. (GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
Query Match
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RESULT 548
ID ADD51908 standard; p
DE Human PRO polypeptid
PN US2003194779-A1.
PD 16-OCT-2003.
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RESULT 549
ID ADD02707 standard; p
DE Human PRO polypeptid
PN US2003203431-A1.
PD 30-OCT-2003.
PA (GETH ) GENENTECH IN
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RESULT 551
ID ADD02141 standard; p
DE Human PRO polypeptid
PN US2003203430-A1.
PD 30-OCT-2003.
PA (GETH ) GENENTECH IN
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Best Local Similarity
RESULT 550
ID ADD50577 standard, p
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(GETH ) GEN
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Best Local S
RESULT 552
ID ADP
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05-JUN-2003.
(GETH ) GENENTECH INC.
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No. 8.7e-40;
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No. 8.7e-40;
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Pred. No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7e-40;
                           Score 618.5; DB 7 Pred. No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7e-40;
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Human secreted/transmembrane protein PRO1279
US2003092883-A1.
                                                                                                                                                                                                                                                                                                                                                                       ADE50460 standard; protein; 250 AA.
Human secreted/transmembrane protein PRO1279
US2003069179-A1.
10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                               ADD40239 standard; protein; 250 AA.
Human secreted/transmembrane protein PRO1279
US2003082627-A1.
                                                                                                                                               PRO1279
                                                                                                                                   ADD38808 standard; protein; 250 AA.
Human secreted/transmembrane protein
US2003092061-A1.
15-MAY-2003.
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Pred.
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Best Local Similarity 48.2%;
RESULT 558
ID ADD92640 standard; protein; 2
DE Human PRO polypeptide #253.
PN US2003199030-A1.
                                                     Human PRO polypeptide #93.
US2003096970-A1.
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48.2%;
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US2003199055-A1.
23-OCT-2003.
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48.2%;
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Human PRO polypeptide #253.
US2003199057-A1.
23-OCT-2003.
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(GETH ) GENENTECH INC
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        30-OCT-2003.
(GETH ) GENENTECH INC
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RESULT 559
ID ADD91536
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Best Local Similarity
SULT 555
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SULT 556
ADD51342 standard;
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SULT 561
                                    Best Local Similarity RESULT 553
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US2003203432-A1
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(GETH ) GEN
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ID ADE33551 standard; protein; 250 AA.

DE Novel human secreted and transmembrane protein PRO1279. PD 16-OCT-2003.

PA (GETH) CENTER.
                                                                     PRO1279
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3.7e-40;
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No. 8.7e-40;
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No. 8.7e-40;
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                      Score 618.5; DB 7 Pred. No. 8.7e-40;
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                Best Local Similarity 48.2%; Score 618.5; DB 7
RESULT 562
ID ADE32447 standard; protein; 250 AA.
DE Novel human secreted and transmembrane protein
PN US2003194765-A1.
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Pred. No. 8.
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No. 8
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No. 8
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No. 8
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ID ADE34103 standard; protein; 250 AA. DE Novel human secreted and transmembrane PN US2003194791-A1. PD 16-OCT-2003. PA (GETH ) GENENTECH INC.
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US2003203428-A1.
30-OCT-2003.
(GETH ) GENENTECH INC.
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US2003199023-A1.
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Human PRO polypeptide #253.
US2003207417-A1.
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Human PRO polypeptide #253.
US2003199056-A1.
23-OCT-2003.
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Human PRO polypeptide #253.
US2003199053-A1.
23-OCT-2003.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #253.
US2003194772-A1.
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15-MAY-2003.
(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC
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(GETH ) GENENTECH INC.
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RESULT 566
ID ADE17956 standard; p
DE Human PRO polypeptid
PN US2003199023-A1.
PD 23-OCT-2003.
PA (GETH ) GENENTECH IN
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ID ADE22379 standard; ID Human PRO polypeptic PN US2003199056-A1.
PD 23-OCT-2003.
PA (GETH ) GENENTECH IN
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Best Local Similarity
RESULT 564
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RESULT 570
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No. 8.7e-40;
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No. 8.7e-40;
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                                  .7e-40;
                    DB
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                                                                 ADE49983 standard; protein; 250 AA.
Human secreted/transmembrane protein PRO1279
US2003082626-A1.
                  618.5
No.8
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DE Human PRO polypeptide #253.
PN US2003199033-A1.
PD 23-OCT-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 48.2%;
RESULT 577
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US2003203429-A1.
30-OCT-2003.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #253.
US2003194768-A1.
16-OCT-2003.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #253.
US2003199026-Al.
23-OCT-2003.
(GETH ) GENENTECH INC.
                 45.0%;
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ADE19612 standard, protein, Human PRO polypeptide #253. US2003199025-A1.
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US2003199064-A1.
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Human PRO polypeptide #253.
US2003199059-Al.
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(GETH ) GENENTECH INC.
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GENENTECH INC
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(GETH ) GENENTECH INC
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RESULT 578
ID ADE22931
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RESULT 579
                 Query Match
Best Local Similarity
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Best Local Similarity
RESULT 576
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RESULT 572
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                                in; 250 AA.
transmembrane protein PRO1279
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3.7e-40;
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                                                                                       618.5; DB 7;
No. 8.7e-40;
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No. 8.7e-40;
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3.7e-40;
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No. 8.7e-40;
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Pred. No. 8.7e-40;
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           .7e-40;
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RESULT.588
ID ADF55859 standard; protein; 250 AA.
DE Human secreted/transmembrane protein PRO1279-PN US2003204054-A1.
PD 30-OCT-2003.
PD GETH ) GENENTECH INC.
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No. 8.7
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No. 8.
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No. 8
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Human secreted/transmembrane protein
US2003204053-A1.
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Pred.
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                              Novel human secreted and tran
US2003194766-A1.
16-OCT-2003.
(GETH ) GENENTECH INC.
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US2003199034-A1.
23-OCT-2003.
(GETH ) GENENTECH INC.
  45.0%;
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                                                                                                                    ADE42691 standard, protein;
Human PRO polypeptide #253.
US2003199032-A1.
23-OCT-2003.
(GETH ) GENENTECH INC.
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US2003199031-A1.
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Human PRO polypeptide #253.
US2003194777-A1.
16-OCT-2003.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #253.
US2003199028-A1.
23-OCT-2003.
(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC
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2uery Match
Best Local Similarity
RESULT 581
ID ADE42691 star?
DE Human PROPO
Query Match
Best Local Similarity
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ID ADE32999 standard;
DE Novel human secrete
PN US2003194766-A1.
PD 16-OCT-2003.
PA (GETH ) GENENTECH I
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Best Local Similarity
RESULT 583
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RESULT 586
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ADE41019 standard
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(GETH ) GEN
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ID ADD807
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RESULT 598
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Novel human secreted and transmembrane protein PRO1279
US2003207384-A1.
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No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7e-40;
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US2003065142-A1.
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                               ADG21656 standard; protein; 250 AA. Novel human secreted and transmembrane
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US2003207370-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
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48.2%;
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Human PRO polypeptide #253.
US2003207372-A1.
06-NOV-2003.
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Novel human secreted and tra
US2003207385-A1.
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Human PRO polypeptide #253.
US2003207373-A1.
06-NOV-2003.
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Novel human secreted and tra
US2003207381-A1.
06-NOV-2003.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC
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(GETH ) GENENTECH INC
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Best Local Similarity
RESULT 591
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Novel human secreted and transmembrane protein PRO1279
US2003087385-A1.
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Novel human secreted and transmembrane protein PRO1279
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Cancer/angiogenesis/fibrosis-related polypeptide,
WO2003042661-A2.
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No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7
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Pred. No. 8.
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No. 8,
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156 standard; protein; 250 AA. human secreted and transmembrane
                                                                                   Novel human secreted and transmembrane US2003207388-A1.
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transmembrane
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06-NOV-2003.
(GETH ) GENENTECH INC.
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Novel human secreted and tra
US2003087357-A1.
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(GETH ) GENENTECH INC.
                    US2003207386-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC
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(GETH ) GENENTECH INC
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AD163655 standard; protein; 250 AA.
Novel human secreted and transmembrane protein PRO1279 US2003207387-A1.
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Novel human secreted and transmembrane protein PRO1279
US2003100735-A1.
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No. 8.7e-40;
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(GETH ) GENENTECH INC.
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Human PRO polypeptide #93.
US2003100728-A1.
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US2003100712-A1.
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Human PRO polypeptide #253.
US2003100087-A1.
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(GETH ) GENENTECH INC.
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DE Novel human secreted and transmembrane protein PRO1279.

PN US2003096362-A1.

PD 22-MAY-2003.

PA (GETH) GENENTECH INC.

Query Match

45.0%; Score 618.5; DB 8; Length 2

Best Local Similarity 48.2%; Pred. No. 8.7e-40;

RESULT 619

ID ADD88055 standard; protein; 250 AA.

DE Human PRO polypeptide #253.

PN US2003092113-A1.

PD 15-MAY-2003.

PA (GETH) GENENTECH INC.
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Novel human secreted and transmembrane protein PRO1279
US2003100734-A1.
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Novel human secreted and transmembrane protein PRO1279
US2003100737-A1.
29-MAY-2003.
(GETH ) GENENTECH INC.
Novel human secreted and transmembrane protein PRO1279
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Human secreted/transmembrane PRO polypeptide #104
                                                5; DB 8;
3.7e-40;
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US2003100727-A1.
29-MAY-2003.
(GETH ) GENENTECH INC.
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DE Human PRO polypeptide #93.
PN US2003100711-A1.
PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 48.2%;
RESULT 623
ID ADE75907 standard; protein; 2:
DE Human PRO polypeptide #253.
PN US2003211571-A1.
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Human PRO polypeptide #253.
US2003203440-A1.
30-OCT-2003.
(GETH ) GENENTECH INC.
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PA (GETH) GENENTECH INC.
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RESULT 620
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29-MAY-2003.
(GETH ) GENENTECH
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Novel human secreted and transmembrane protein PRO1279.
US2003100721-A1.
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Novel human secreted and transmembrane protein PRO1279
US2003100733-A1.
29-MAY-2003.
(GETH ) GENENTECH INC.
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Novel human secreted and transmembrane protein PRO1279 US2003100732-A1.
29-MAY-2003.
(GETH ) GENENTECH INC.
ery Match
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Novel human secreted and transmembrane protein PRO1273
US2003100736-A1.
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No. 8.7e-40;
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No. 8.7e-40;
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No. ·8
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PN US2003100064-A1.
PD 29-MAY-2003.
PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 48.2%; P
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Human PRO polypeptide #93.
US2003100708-Al.
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Human PRO polypeptide #253.
US2003092108-Al.
15-MAY-2003.
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(GETH ) GENENTECH INC.
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US2003100497-A1.
29-MAY-2003.
(GETH ) GENENTECH INC
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Best Local Similarity
RESULT 630
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T 629
ADE20568 standard;
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                                      Best Local Similarity
RESULT 626
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Best Local Similarity
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Length 250;
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ID ADD86691 standard; protein; 250 AA.

DE Novel human secreted and transmembrane protein PRO1279

PN US2003100719-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADD78159 standard; protein; 250 AA.
Novel human secreted and transmembrane protein PRO1279
US2003100731-A1.
29-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADD76923 standard; protein; 250 AA.
Novel human secreted and transmembrane protein PRO1279
US2003100715-A1.
29-MAY-2003.
(GETH ) GENENTECH INC.
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Pred. No. 8.7e-40;
                         5; DB 8;
3.7e-40;
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No. 8.7e-40;
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Pred. No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7
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No. 8
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Pred. No. 8
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                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 48.2%;
RESULT 637
ID ADD87503 standard; protein; 29
DE Human PRO polypeptide #253.
PN US2003203439-A1.
PD 30-OCT-2003.
PA (GETH) GENENTECH INC.
                                       Best Local Similarity 48.2%;
RESULT 635
ID ADE24035 standard; protein; 2
DE Human PRO polypeptide #253.
PN US2003092110-A1.
PD 15-MAY-2003.
PA (GETH ) GENENTECH INC.
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48.2%;
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Human PRO polypeptide #93.
US2003100726-A1.
29-MAY-2003.
(GETH ) GENENTECH INC.
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48.2%;
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Human PRO polypeptide #93.
US2003100714-Al.
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Human PRO polypeptide #253.
US2003092111-A1.
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PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 48
RESULT 642
ID ADE89369 standard; prot
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(GETH ) GENENTECH INC.
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29-MAY-2003.
(GETH ) GENENTECH INC
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RESULT 640
ID ADD76923 standard; p
DE Novel human secreted
PN US2003100715-A1.
PD 29-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
RESULT 638
ID ADE05166 standard; p
DE Human PRO polypeptid
PN US2003100726-A1.
PD 29-MAY-2003.
PA (GETH ) GENENTECH IN
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Best Local Similarity
RESULT 639
ID ADD75379 standard; p
DE Human PRO polypeptid
PN US2003100714-A1.
PD 29-MAY-2003.
PA (GETH ) GENENTECH IN
                                                                                                                                   Query Match
Best Local Similarity
RESULT 636
ID ADE24678 standard; p
DE Human PRO polypeptid
PN US2003092111-A1.
PD 15-MAY-2003.
PA (GETH ) GENENTECH IN
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Novel human secreted and transmembrane protein PRO1279
US2003100730-A1.
29-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                   Novel human secreted and transmembrane protein PRO1279 US2003100725-A1.
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                                                                                                                                                                      ADD77667 standard; protein; 250 AA. Novel human secreted and transmembrane protein PRO1279
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human secreted and transmembrane protein PRO1279
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No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7
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Pred. No. 8.
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No. 8.
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29-MAY-2003.
(GETH ) GENENTECH INC.
Match 45.0%;
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Human PRO polypeptide #93.
US2003100710-A1.
29-MAY-2003.
(GETH ) GENENTECH INC.
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US2003100713-A1.
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48.2%;
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US2003199054-A1.
                                 ADE18508 standard; protein;
Human PRO polypeptide #253.
US2003194794-Al.
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                                                                                                                                     GENENTECH INC.
                                                                   INC
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29-MAY-2003.
(GETH ) GENENTECH INC.
GENENTECH INC
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         Query Match
Best Local Similarity
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SULT 651
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                                                                  GENENTECH
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29-MAY-2003.
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(GETH ) GENE
ery Match
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(GETH ) GEN
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(GETH)
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No. 8.7e-40;
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8
Score 618.5; DB 8;
Pred. No. 8.7e-40;
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No. 8.7e-40;
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Pred. No. 8.7e-40;
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Pred. No. 8.7e-40;
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Pred. No. 8.7e-40;
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DE Human PRO polypeptide #93.

PN US2003100724-A1.

PN US2003100724-A1.

PA (GETH) GENENTECH INC.

Query Match

A5.0%; Score 618.5; DB 8

RESULT 655

ID ADE96543 standard; protein; 250 AA.

DE Human secreted/transmembrane protein PR01279.

PN US2003195347-A1.

PD 16-OCT-2003.

PA (GETH) GENENTECH INC.
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No. 8.7e-40;
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Human secreted/transmembrane protein PR01279
US2003199675-A1.
23-OCT-2003.
(GETH ) GENENTECH INC.
sry Match
tocal Similarity 48.2%; Pred. No. 8.7e-
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Human secreted/transmembrane protein PRO1279
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No. 8.
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Pred. No. 8
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                                      Human PRO polypeptide #93.
US2003100723-A1.
29-MAY-2003.
(GETH ) GENENTECH INC.
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US2003199027-A1.
23-OCT-2003.
(GETH ) GENENTECH INC.
45.0%;
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Human PRO polypeptide #253.
US2003199061-A1.
23-OCT-2003.
(GETH ) GENENTECH INC.
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ID ADE93499 standard; protein;
DE Human PRO polypeptide #253.
PN US2003199060-A1.
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23-OCT-2003.
(GETH ) GENENTECH INC.
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SULT 656
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Best Local Similarity
RESULT 658
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Best Local Similarity
RESULT 659
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Best Local Similarity
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Query Match
Best Local Similarity
RESULT 653
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8.7e-40;
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No. 8.7e-40;
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No. 8.7e-40;
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               ADF29489 standard; protein; 250 AA.
Human secreted/transmembrane protein PRO1279
US2003203401-A1.
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Human secreted/transmembrane protein PRO1279
US2003195334-A1.
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US2003199063-Al.
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48.2%;
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Human PRO polypeptide #93.
US2003096962-A1.
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Human PRO polypeptide #253.
US2003207352-A1.
  48.28;
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(GETH ) GENENTECH INC.
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Novel human secreted and transmembrane protein PRO1279
US2003207426-A1.
             protein PR01279
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ADG22208 standard; protein; 250 AA.
Novel human secreted and transmembrane
US2003207360-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
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US2003207376-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
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US2003207359-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
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US2003207353-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #253.
US2003207375-A1.
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Human PRO polypeptide #253.
US2003208055-Al.
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Human PRO polypeptide #253.
US2003207422-A1.
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Human PRO polypeptide #253.
US2003207351-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC
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PN US2003207426-A1.
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ID ADF99307 standard
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Novel human secreted and transmembrane protein PRO1279
US2003096963-A1.
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PN US2003207371-A1.
PD 06-NOV-2003.
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ADG19618 standard; protein;
Human PRO polypeptide #253.
US2003207425-A1.
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Human PRO polypeptide #253.
US2003207357-Al.
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US2003207374-A1.
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(GETH ) GENENTECH INC
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22-MAY-2003.
(GETH ) GENENTECH INC.
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Novel human secreted and transmembrane protein PRO1279
US2003207356-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
25 Score 618.5; DB 8; Lengist Local Similarity 48.2%; Pred. No. 8.7e-40;
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Novel human secreted and transmembrane protein PRO1279
US2003207390-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
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transmembrane protein PRO1279
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Pred. No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7e-40;
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Human secreted/transmembrane protein PR01279
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Novel human secreted and tra
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(GETH ) GENENTECH INC.
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Local Similarity RESULT 694

ID ADG06748 stard
DE Human PROPERTOR US200
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RESULT 691
ID ADF94652 standard; p
DE Novel human secreted
PN US2003096964-A1.
PD 22-MAY-2003.
PA (GETH ) GENENTECH IN
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Best Local Similarity
RESULT 693
ID ADG07888 standard; p
DE Novel human secreted
PN US2003207356-A1.
PD 06-NOV-2003.
PA (GETH ) GENENTECH IN
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Best Local Similarity
RESULT 692
ID ADG07336 standard; p
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RESULT 695
ID ADG55383 standard; p
DE Novel human secreted
PN US2003194778-A1.
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ESULT 690
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Novel human secreted and transmembrane protein PRO1279
US2003207365-A1.
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Novel human secreted and transmembrane protein PRO1279
US2003207368-A1.
06-NOV-2003.
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Human secreted/transmembrane protein PRO1279.
US2003220471-A1.
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Human secreted/transmembrane protein PRO1279
US2003224478-A1.
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Human PRO polypeptide #253.
US2003207358-A1.
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BEST LOCAL SIMILARITY
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RESULT 705
ID ADH04012 standard; p
DE Human secreted/trans
PN US2003220471-A1.
PD 27-NOV-2003.
PA (GETH ) GENENTECH IN
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Novel human secreted and transmembrane protein PRO1279
US2003207414-A1.
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Novel human secreted and transmembrane protein PRO1279
US2003207416-A1.
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Novel human secreted and transmembrane protein PRO1279
US2003207415-A1.
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No. 8.7e-40;
                                   Novel human secreted and transmembrane US2003207363-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
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US2003077723-A1.
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Novel human secreted and tra
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC
GENENTECH INC
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Best Local Similarity
RESULT 716
ID ADG81248 standard; p
DE Human PRO polypeptid
PN US2003194793-A1.
PD 16-OCT-2003.
PA (GETH ) GENENTECH IN
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Best Local Similarity
RESULT 709
ID ADG53727 standard; p
DE Novel human secreted
PN US2003207415-A1.
PD 06-NOV-2003.
PA (GETH ) GENENTECH IN
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Best Local Similarity
RESULT 714
ID ADG52551 standard; p
DE Novel human secreted
PN US2003207414-A1.
PD 06-NOV-2003.
PA (GETH ) GENENTECH IN
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Best Local Similarity
RESULT 713
ID ADH12129 standard; E
DE Novel human secretec
PN US2003207419-A1.
PD 06-NOV-2003.
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SULT 710
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                                                                                                        ADH12753 standard; protein; 250 AA. Novel human secreted and transmembrane protein PRO1279 US2003207378-A1.
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Novel human secreted and transmembrane protein PRO1279
US2003207429-A1.
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                            487 standard; protein; 250 AA.
human secreted and transmembrane protein PRO1279
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Human secreted/transmembrane protein PRO1279
US2004005626-A1.
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(GETH ) GENENTECH INC.
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Human PRO polypeptide #104.
US2003224984-A1.
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US2003022331-A1.
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(GETH ) GENENTECH INC.
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RESULT 725
ID ADH04489
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Best Local Similarity
         Best Local Similarity
SULT 717
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RESULT 723
                            ADG56487 standard;
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                                               US2003207366-A1.
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(GETH ) GENE
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(GETH ) GEN
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ID ADG34
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06-NOV-2003.
(GETH ) GENENTECH INC.
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Novel human secreted and transmembrane protein PRO1279
US2004009547-A1.
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No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7e-40;
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Human secreted/transmembrane protein PRO1279
US2004014130-A1.
22-JAN-2004.
(GETH) GENENTECH INC.
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No. 8.
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Novel human secreted and transmembrane
US2004009548-A1.
15-JAN-2004.
(GETH ) GENENTECH INC.
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Pred.
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45.0%;
v 48.2%;
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               ADI81295 standard; protein;
Human PRO polypeptide #253.
US2003207361-A1.
                                                                        45.0%;
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Human PRO polypeptide #93.
US2003096960-A1.
22-MAY-2003.
(GETH ) GENENTECH INC.
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48.2%;
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(GETH ) GENENTECH INC.
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Best Local Similarity
RESULT 734
ID ADI29907 standard; pr
DE Novel human secretrophy
PN US2003096961
PD 22-MAV
                                                                        Query Match
Best Local Similarity
RESULT 727
ID ADI33652 standard; p
DE Human PRO polypeptid
PN US2003096960-A1.
PD 22-MAY-2003.
PA (GETH ) GENENTECH IN
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Best Local Similarity
RESULT 729
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Best Local Similarity
RESULT 730
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Best Local Similarity
RESULT 733
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SULT 728
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(GETH ) GENENTECH
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Local
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JT 735
ADI18436 standard; protein; 250 AA.
Novel human secreted and transmembrane protein PRO1279
US2003207349-A1.
                                                                                            protein PRO1279
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No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7e-40;
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No. 8.7
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Pred. No. 8.
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No. 8
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US2004048333-A1.
11-MAR-2004.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #253.
US2004058424-A1.
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Human PRO polypeptide #253.
US2004038336-A1.
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Human PRO polypeptide #104.
US2004043927-Al.
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Human PRO polypeptide #253.
US2004038335-Al.
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(GETH ) GENENTECH INC
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RESULT 740
ID ADK66667
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Query Match
Best Local Similarity
RESULT 741
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Best Local Similarity
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RESULT 738
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RESULT 744
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Novel human secreted and transmembrane protein PRO1279 US2003207354-A1.
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3.7e-40;
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ID ADR72632 standard; protein; 250 AA.
DE Human renal cell carcinoma-related kallikrein 11 PN WO2004077060-A2.
PD 10-SEP-2004.
PA (MOUN) MOUNT SINAI HOSPITAL.
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CASB12 amino acid sequence.
WO9949055-A1.
30-SEP-1999.
(SMIK ) SMITHKLINE BEECHAM BIOLOGICALS.
ery Match
t Local Similarity 48.2%; Pred. No. 9.9e-40;
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No. 9.9e-40;
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1.7e-40;
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Pred. No. 8.7e-40;
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Pred. No. 8.7e-40;
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Pred. No. 8.7e-40;
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No. 8.7e-40;
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                                                                                    618.5;
No. 8.7
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Pred. No. 8.
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30-SEP-2004.
(APPL-) APPLERA CORP.
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(hBSSP6)
Human secreted/transmembrane protein US2004073015-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADR72890 standard, protein; 250 AA. Human ovarian cancer-related tumour WO2004075713-A2.

10-SEP-2004.

(MOUN) MOUNT SINAI HOSPITAL.
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Pred.
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A 5.0%;
Similarity 48.2%;
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06-NOV-2003.
(GETH ) GENENTECH INC.
45.0%;
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Best Local Similarity 48.2%;
RESULT 745
ID ADM28456 standard; protein; 2
DE Human PRO polypeptide #253.
PN US2004077064-A1.
PD 22-APR-2004.
PA (GETH) GENENTECH INC.
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(FUSO ) FUSO PHARM IND LTD.
ery Match 45.0%;
                                                                                                                                                                                                                     Human PRO polypeptide #253.
US2003077659-A1.
                                                                                                                                                                                                                                                                                     45.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAB11712 standard; protein;
Human serine protease BSSP6
WO200031257-A1.
                                                                                                                                                                                     45.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAY43636 standard; protein;
                                                                                                                                                                                                                                                              24-APR-2003.
(GETH ) GENENTECH INC.
                                                                         INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
RESULT 749
ID ADR72890 standard; p
DE Human ovarian cancer
PN WO2004075713-A2.
PD 10-SEP-2004.
PA (MOUN) MOUNT SINAI
                                                                                                                                                                                  Query Match
Best Local Similarity
RESULT 746
ID AD195938 standard; p
DE Human PRO polypeptid
PN US2003077659-A1.
PD 24-APR-2003.
PA (GETH ) GENENTECH IN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity
SULT 751
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Best Local Similarity
RESULT 752
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Best Local Similarity
SSULT 750
ADS34892 standard;
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SULT 753
                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 747
                                                                        GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
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ID AA
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ID AA
DE CA
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PD
PA
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250;

Length

α ...

, DB ( .8e-38;

601.5; No. 1.8

Score Pred.

320

Length

; DB 5;

275;

Length

DB 3;

601; No.

Score Pred.

N

#31

NO: 6

ΩI

SEQ

275 AA. (hBSSP6)

Length 320

; DB 5;

599.5; No. 3.

Length 225;

; DB 5; 2.5e-38;

599; No.

Score Pred.

256 AA

Length 256;

DB 5;

599; No.

Score Pred.

250

Length

); DB 2;

601.5 No. 1

Score Pred.

Z

m 4

.rag.spdi

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AAB67543 standard; protein; 289 AA.
Amino acid sequence of catalytic domain in PFEK1-6XHIS-TAG
WO200116289-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PHARM RES INC.
43.6%; Score 598.5; DB 3;
49.1%; Pred. No. 3.5e-38;
                                                                                                                                                                                                                                                                     ID AAU82732 standard; protein; 320 AA.

DE Amino acid sequence of novel human protease
PN WO200200860-A2.

PD 03-JAN-2002.

PA (SUGE-) SUGEN INC.

Query Match
Best Local Similarity 46.4%; Pred. No. 3.3e-RESULT 766
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADI17075 standard; protein; 225 AA.
Murine NOVX protein homologue SegID 611
WO200268649-A2.
06-SEP-2002.
(CURA-) CURAGEN CORP.
43.6%; Score 599;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAB36483 standard; protein; 289 AA.
Fusion gene with human serine protease
WO200066709-A2.
                                                                                                                                                                                                                                                                                                                                                                               AAE19166 standard; protein; 320 AA.
Human protease, PRTS-3 protein.
WO200208396-A2.
31-JAN-2002.
(INCY-) INCYTE GENOMICS INC.
tuery Match
est Local Similarity 46.4%; Pred. No.
                                                                      ADP19401 standard; protein; 250 Human secreted polypeptide #252.US2004110939-A1.10-JUN-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ID AAU79390 standard; protein; 256
DE Novel human kallikrein KLK15.
PN WO200214485-A2.
PD 21-FEB-2002.
PA (MOUN) MOUNT SINAI HOSPITAL.
Query Match
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                                                                                                                                                                          AAB11714 standard; protein; 2
Human serine protease BSSP6 (
WO200031257-A1.
02-JUN-2000.
(FUSO ) FUSO PHARM IND LTD.
uery Match
est Local Similarity 44.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         protein;
5, marker
                                     43.8%;
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Human kallikrein 15,
WO2004029285-A2.
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Best Local Similarity
RESULT 768
ID AAU79390
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Best Local Similarity
Perff 771 -- " etandard; I
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Best Local Similarity
RESULT 765
                                                Best Local Similarity
SULT 763
                                                                                                                                                 Local Similarity 764
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 769
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SULT 767
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              24-JUN-1999.
(GEST:) GENSET
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RESULT
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Amino acid sequence of catalytic domain in PFEK1-6XHIS-TAG
WO200116289-A2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                catalytic domain
                                                                                                                                                                                                                                                                                                       (hK11)
                                                                                                                                                                                                     Н
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Tag
                                                                                                                                                                                                                                                                                                                                                                                          ADR72889 standard; protein; 282 AA.

Human ovarian cancer-related tumour marker kallikrein
WO2004075713-A2.
10-SEP-2004.
(MOUN ) MOUNT SINAI HOSPITAL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              107
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serum protease (PRASP)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQ ID
                                                                                                                                                                                                                                                              Best Local Similarity 48.2%; Pred. No. 9.9e-40; RESULT 756

ID ADR72631 standard; protein; 282 AA.

DE Human renal cell carcinoma-related kallikrein 11 PN WO2004077060-A2.
                                                                                                                                                                                                                                                                                                                                                        DB 8;
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Э
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44.6%; Score 612.5; DB 2;
Similarity 48.0%; Pred. No. 2.8e-39;
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                                                                                                                                                618.5; DB 8;
No. 9.9e-40;
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                                                                                                    cancer
                                                Score 618.5; DB 3 Pred. No. 9.9e-40;
                                                                                                                                                                                                                                                    618.5; DB 8
No. 9.9e-40;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1.7e-38;
                                                                                                                                                                                       protein; 282 AA.
sarcoma-upregulated protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ı
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CASB12 polypeptide derived from Expressed
WO9949055-A1.
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No. 1.7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  602.5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADS34893 standard; protein; 282 AA.
Human autoimmune disease-related protein
WO2004083403-A2.
                                                                                                  for prostate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAB36482 standard; protein; 288 AA.
Fusion gene with human serine protease
WO200066709-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PHARM RES INC.
43.9%; Score 602.
51.1%; Pred. No.
                                                                                                                                                                                                                                                    Score
Pred.
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h
Similarity 51.1%; Pred.
                                                                                                                                                   Score
Pred.
                                                                                      282 AA
                                                                                                                                                                                                                             10-JUN-2004.
(PROT-) PROTEIN DESIGN LABS INC
                                                                                                                                 (MOUN) MOUNT SINAI HOSPITAL. ry Match 45.0%; the Local Similarity 48.2%;
                                                                                                                                                                                                                                                                                                                                                       45.0%;
                                                                                                                                                                                                                                                                                                                                           (MOUN ) MOUNT SINAI HOSPITAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                           45.0%;
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                                              45.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             45.0%;
                                                                                    ADN11325 standard; protein;
Human kallikrein-11, marker
WO2004029616-A2.
A human prostate-associated WO9941387-A2.
                       19-AUG-1999.
(INCY-) INCYTE PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORTHO-MCNEIL
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(APPL-) APPLERA CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 759
                                                                                                                                                             Best Local Similarity RESULT 755
                                                                                                                                                                                       ADQ17587 standard;
Human soft tissue;
WO200408938-A2.
                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity RESULT 757
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protein

domain

catalytic

Length

256

Length

DB 8;

599; No.

Score Pred.

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cancer

endocrine

256 of e

14-SEP-2000

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Length 260
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                          Length
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7.7e-38;
                           4;
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                                                                                                                                                                                                                                        NO:1471
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2.8e-36;
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2.8e-36;
Score 573; DB 8;
Pred. No. 2.8e-36;
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8.7e-38;
                                                                                                            597.5; DB No. 3.6e-38
                                                                                                                                                                                                                                                                               Score 595; DB 7;
Pred. No. 6.8e-38
                                                                                                                                                                                               597.5; DB
No. 4e-38;
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Pred. No. 7
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No. {
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No. 2
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(HOFF) HOFFMANN LA ROCHE & CO AG F.
ry Match
t Local Similarity 45.6%; Pred. No.
                                                       AAE08017 standard; protein; 248 AA.
Human PS133 consensus protein sequence.
US6232456-B1.
15-MAY-2001.
(ABBO ) ABBOTT LAB.
                                                                                                                                                                                                                                                                                                              ADI17077 standard; protein; 260 AA.
Human NOVX protein homologue SeqID 613
WO200268649-A2.
                                                                                                                                                                                                                          ADC31389 standard; protein; 298 AA.
Human novel polypeptide sequence, SEQ
WO2003029271-A2.
10-APR-2003.
(HYSE-) HYSEQ INC.
Query Match
Best Local Similarity 48.1%; Pred. No.
                                                                                                                                           276 AA.
(mBSSP6)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score
Pred.
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Pred.
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Pred.
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Human KLK-L6 protein #2.
WO200053776-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   247 AA
                                                                                                                                                                                                                                                                                                                                                                                                 228 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                       WOZOCCZO
14-SEP-2000.
(MOUN ) MOUNT SINAI HOSPITAL.
ery Match
ery Match
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                                                                                                                                                                                                                                                                                                                                                                 43.2%;
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                                                                                                            43.5%;
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                                                                                                                                          AAB11713 standard; protein;
Mouse serine protease BSSP6
WO200031257-A1.
                                                                                                                                                                                                                                                                                                                                                                                               AAB21312 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABB98258 standard; protein;
Pig trypsinogen SEQ ID NO 1
WO200261064-A2.
08-AUG-2002.
                                                                                                                                                                                   (FUSO ) FUSO PHARM IND LTD.
Query Match
Best Local Similarity 47.0%;
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(NOVO ) NOVO-NORDISK AS
                                                                                                                                                                                                                                                                                                                                              06-SEP-2002.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Porcine trypsinogen. WO9700316-A1.
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Best Local Similarity
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RESULT 777
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US2004043455-A1.
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WO200053776-A2
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       08-MAR-2001
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                                                                                                                                        protein
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          Length
                                                                                                                                        maintenance molecule
                                                                                                                                                                                                                                                                       ; DB 3;
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5.2e-36;
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                                                                                              569.5; DB 8;
No. 5.2e-36;
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Pred. No. 5.6e-36;
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No. 6.2e-36;
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         Score 569.5; DB 3 Pred. No. 5.2e-36;
                                                                                                                                                                                                                                                                                                                                                                                                     (hk9)
                                                      cancer
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9e-36;
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Amino acid sequence of human kallikrein 9
WO2003033731-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 568.5;
Pred. No. 6.
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Pred. No. 6.
                                           AA. endocrine
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No. 6
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SEQ ID NO:1
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                                     ADN10930 standard; protein; 251 AA.
Human kallikrein 14, marker of endocr
WO2004029285-A2.
08-APR-2004.
(MOUN) MOUNT SINAI HOSPITAL.
2uery Match
3est Local Similarity 46.9%; Pred. No
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Pred.
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Novel human polypeptide #141.
WO2003023013-A2.
20-MAR-2003.
(HYSE-) HYSEQ INC.
                                                                                                                               267
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAB21300 standard; protein; 277
Human KLK-L4 protein #2.
WO200053776-A2.
14-SEP-2000.
(MOUN ) MOUNT SINAI HOSPITAL.
iuery Match
est Local Similarity 46.8%; Pr
                                                                                                                                                                                                                 AAB21298 standard; protein; 2
Human KLK-L3 protein #2.
WO200053776-A2.
14-SEP-2000.
(MOUN) MOUNT SINAI HOSPITAL.
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(MOUN ) MOUNT SINAI HOSPITAL.
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41.4%;
Similarity 46.9%;
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Human kallikrein 13 protein
WO2004021009-A2.
11-MAR-2004.
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46.7%;
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        41.4%;
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46.78;
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Human protein modification -
WO2003000844-A2.
03-JAN-2003.
(INCY-) INCYTE GENOMICS INC
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2003.

LOUN ) MOUNT SINAI
BEST LOCAL Similarity
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 Best Local Similarity
RESULT 781
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Best Local Similarity
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Best Local Similarity
RESULT 788
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Best Local Similarity
RESULT 782
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SULT 789
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           Length
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Human NF-kappaB pathway-associated protein SeqID576
WO2004065577-A2.
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564.5; DB 2;
No. 1.5e-35;
                                                                                                                                                                                                                                                                            DB 4;
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L.5e-35;
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Pred. No. 1.3e-35;
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No. 1.5e-35;
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Pred. No. 8.9e-36;
          DB 8;
9e-36;
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9e-36;
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9e-36;
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Human secreted protein encoded by gene No.
WO9935158-A1.
15-JUL-1999.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           gene No
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Pred. No. 1.
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                                                                                                                                                                                                                                SEQ ID 212
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Pred. No. 1
                                                                                                Score 567;
Pred. No.
                                                                                                                                                                                     Score 567;
Pred. No.
          Score 567;
Pred. No.
                                                                                                                                                                                                                                                                                                           AAU23217. standard; protein; 247 AA.
Novel human enzyme polypeptide #303.
WO200155301-A2.
02-AUG-2001.
(HUMA-) HUMAN GENOME SCI INC.
thery Match
lest Local Similarity 46.9%; Pred. No
                                                                                                                                                                                                                                                                                                                                                                                                  protein; 293 AA.
derived protease
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Human secreted protein encoded by ge
WO9935158-A1.
15-JUL-1999.
(HUMA-) HUMAN GENOME SCI INC.
hery Match
lest Local Similarity 45.3%; Pred. N
                                       ADN04184 standard; protein; 277 AA. Antipsoriatic protein sequence #287 WO2004028479-A2.
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Pred.
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Pred.
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(MILL-) MILLENNIUM BIOTHERAPEUTICS
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h
Similarity 46.8%; Pre
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ery Match 41.2%;
(MOUN ) MOUNT SINAI HOSPITAL.
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        41.3%;
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Human PDSP-1 protein.
WO9946391-A2.
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                                                                                     GENENTECH INC.
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RESULT 795
                                                                                              Query Match
Best Local Similarity
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                   Similarity
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RESULT 794
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        Query Match
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RESULT 790
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(GETH ) GENENTECH INC.
                                                                                                                                                                                                      ID NO:309
                                                                                                                                                                                                                                                                                                                                                                                                                                       protein PRO1132
                                                                               ; DB 3;
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.5e-35;
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L.5e-35;
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564.5; DB 3;
No. 1.5e-35;
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No. 1.5e-35;
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Pred. No. 1.5e-35;
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No. 1.5e-35;
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No. 1.5e-35;
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                                                                                                                                                              Score 564.5; DB Pred. No. 1.5e-35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABU82654 standard; protein; 293 AA.
Human secreted/transmembrane protein PRO1132
US2003032023-A1.
13-FEB-2003.
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                                                                               564.5;
No. 1.9
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No. 1.5
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Pred. No. 1.
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Human PRO1132 (UNQ570) protein sequence
WO200073454-A1.
07-DEC-2000.
(GETH ) GENENTECH INC.
217 Match 41.1%; Score 564.5
                                                                                                                                                                                                                                             564.5
No.
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Novel human secreted or transmembrane US2002132252-A1.
19-SEP-2002.
(GETH ) GENENTECH INC.
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Pred.
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Pred.
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              AAB21296 standard; protein; 2
Human KLK-L2 protein.
WO200053776-A2.
14-SEP-2000.
(MOUN ) MOUNT SINAI HOSPITAT
lery Match
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41.1%; 8
                                                                     HOSPITAL.
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Human secreted protein #257.
WO2002102994-A2.
27-DEC-2002.
(HUMA-) HUMAN GENOME SCI INC.
                                                                               41.1%;
41.1%;
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US2003027163-A1.
06-FEB-2003.
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45.3%;
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Human PRO1132.
WO200109327-A2.
08-FEB-2001.
(GETH ) GENENTECH INC.
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...OUN ) MOUNT SINAI
LOCAL Similarity
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RESULT 799
ID AAB21296 standard; I
DE Human KLK-L2 proteir
PN WO200053776-A2.
PD 14-SEP-2000.
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RESULT 803
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RESULT 807
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RESULT 804
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Novel human secreted and transmembrane protein PRO1132
US2003003531-A1.
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Pred. No. 1.5e-35;
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No. 1.5e-35;
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1.5e-35;
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No. 1.5e-35;
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Pred. No. 1.5e-35;
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.5e-35;
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No. 1.5
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Pred. No. 1.
                                                    564.5;
No. 1.
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DE Human secreted/transmembrane protein,

PN US2002160384-A1.

PD 31-OCT-2002.

PA (GETH) GENENTECH INC.

Query Match

Best Local Similarity 45.3%; Pred. No.

RESULT 812
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    293
ID ADA56974 standard; protein; 29:
DE Human secreted protein #257.
PN WO2002102994-A2.
PD 27-DEC-2002.
PA (HUMA-) HUMAN GENOME SCI INC.
Query Match
Best Local Similarity 45.3%; P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADA41303 standard; protein; 2: Human secreted protein. WO2002102993-A2. 27-DEC-2002. (HUMA-) HUMAN GENOME SCI INC.
                                                                                                                                                             ADA57428 standard; protein; 2
Human secreted protein #257.
WO2002102994-A2.
27-DEC-2002.
(HUMA-) HUMAN GENOME SCI INC.
                                                                                                                      SCI INC.
41.1%;
45.3%;
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Human PRO1132 polypeptide.
US2002103125-A1.
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Human PRO polypeptide #228.
US2003036180-Al.
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Human PRO polypeptide #228.
US2003004311-A1.
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(GETH ) GENENTECH LTD
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Best Local Similarity
RESULT 813
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Novel human secreted or transmembrane protein PRO1346
US2003027985-A1.
06-FEB-2003.
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Lal Similarity 45.3%; Pred. No. 1.5e-35;

ID ABO25068 standard; protein; 293 AA.

DE Human secreted/transmembrane protein (PRO) #228.

PN US2003036179-A1.

PD 20-FEB-2003.

PA (GETH ) GENENTECH INC.

Query Match

Best Local Similarity 45.3%.

RESULT 824

ID ABU58995 standard

DE Human sectra

PN US2000
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No. 1.5e-35;
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DE Novel secreted and transmembrane protein PRO1132
PN US2003017563-A1.

PD 23-JAN-2003.

PA (GETH) GENENTECH INC.

Query Match
Best Local Similarity 45.3%; Pred. No. 1.5e-35;

RESULT 821
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No. 1.5e-35;
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No. 1.5e-35;
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Pred. No. 1.5e-35;
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No. 1.5e-35;
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Human sectreted/transmembrane protein,
US2002142961-A1.
03-OCT-2002.
(GETH ) GENENTECH INC.
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Human secreted/transmembrane protein,
US2003027162-A1.
06-FEB-2003.
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Pred.
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Pred.
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                                                                                                                                                                                Best Local Similarity 45.3%; Pred. RESULT 819
ID ADA41306 standard; protein; 293 AA DE Human secreted protein. PN WO2002102993-A2. PD 27-DEC-2002. PD 27-DEC-2002. PD CHUMA-) HUMAN GENOME SCI INC.
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41.1%; S
45.3%; E
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41.1%; 8
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       Human secreted protein WO2002102993-A2. 27-DEC-2002. (HUMA-) HUMAN GENOME SO
Best Local Similarity
RESULT 820
ID ABU59878 standard; F
DE Novel secreted and t
PN US2003017563-A1.
PD 23-JAN-2003.
PA (GETH ) GENENTECH IN
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Best Local Similarity
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D ABU92373 standard;
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826
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ADA61679 standard;
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Novel human secreted and transmembrane protein PRO1132
US2003017476-A1.
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Novel human secreted and transmembrane protein PRO1132
US2002177164-A1.
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Human secreted and transmembrane polypeptide PRO1132
US2002197615-A1.
26-DEC-2002.
(GETH ) GENENTECH INC.
Query Match
Best Local Similarity 45.3%; Pred. No. 1.5e-35;
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Pred. No. 1.5e-35;
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No. 1.5
Score 564.5;
Pred. No. 1.
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Pred. No. 1
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Pred. No. 1
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                            ABU67073 standard; protein; 29
Human secreted/transmembrane,
US2003032155-A1.
13-FEB-2003.
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US2003054517-A1.
20-MAR-2003.
(GETH ) GENENTECH INC.
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DE Human PRO polypeptide #96.
PN US2002123463-A1.
PD 05-SEP-2002.
PA (GETH ) GENENTECH INC.
Auch Atch A1.1%; 8
Best Local Similarity 45.3%;
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ABO34115 standard; protein;
Human PRO1132 polypeptide.
US2003017981-A1.
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Human PRO polypeptide #228.
US2003073212-A1.
17-APR-2003.
(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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                                                                             Novel human secreted and transmembrane protein PRO1132 US2003068796-A1.
10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                 ADA86484 standard, protein, 293 AA.
Novel human secreted and transmembrane protein PRO1132
US2003082711-A1.
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PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 45.3%; Pred. No. 1.5e-35;
RESULT 843
ID ADA21506 standard; protein; 293 AA.
DE Human secreted/transmembrane polypeptide PRO1132
PN US2003054404-A1.
                                                       Score 564.5; DB 6;
Pred. No. 1.5e-35;
                                                                                                                                                                        564.5; DB 6;
No. 1.5e-35;
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Pred. No. 1.5e-35;
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Pred. No. 1.5e-35;
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No. 1.5e-35;
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ID ADA10293 standard; protein; 293 AA.

DE Human secreted/transmembrane protein, PRO1132 PN US2003059831-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ID ADA37820 standard; protein; 293 AA.

DE Human secreted/transmembrane protein PRO1132.

PN US2003008297-A1.

PD 09-JAN-2003.

PA (GETH ) GENENTECH INC.

Query Match

Best Local Similarity 45.3%; Pred. No. 1.5e-3
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Pred.
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                                                                                                                                                                       Best Local Similarity 45.3%;
RESULT 838
ID ADB28005 standard; protein; 2:
DE Human PRO polypeptide #228.
PN US2003082704-A1.
PD 01-MAY-2003.
PA (GETH ) GENENTECH TNC
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US2003087350-A1.
08-MAY-2003.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #228.
US2003068795-A1.
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US2003073215-A1.
                                          INC
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(GETH ) GENENTECH INC
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Best Local Similarity
RESULT 841
ID ADA37820 standard; p
DE Human secreted/trans
PN US2003008297-A1.
PD 09-JAN-2003.
PA (GETH ) GENENTECH IN
                                                                                                                                                                                                                                                                                                   Best Local Similarity
RESULT 839
ID ADA86484 standard; p
DE Novel human secreted
PN US2003082711-A1.
PD 01-MAY-2003.
PA (GETH ) GENENTECH IN
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US2003049816-A1.
13-MAR-2003.
(GETH ) GENENTECH I
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Novel human secreted and transmembrane protein PRO1132
US2003082693-A1.
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No. 1.5e-35;
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No. 1.5e-35;
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No. 1.5e-35;
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                                                                                               Score 564.5; DB Pred. No. 1.5e-3
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Human secreted/transmembrane protein PRO1132
US2003054359-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 564.5;
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Novel human secreted and transmembrane US2003087345-A1.
08-MAY-2003.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #228.
US2003087349-A1.
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                   41.1%;
                                            ADB30636 standard; protein;
Human PRO polypeptide #228.
US2003068794-A1.
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Human PRO polypeptide #228.
US2003082705-Al.
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Human PRO polypeptide #228.
US2003082763-A1.
01-MAY-2003.
(GETH.) GENENTECH INC.
                                                                                                                                                                                                       ADA17837 standard; protein;
Human PRO1132 polypeptide.
US2003054987-A1.
20-MAR-2003.
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(GETH ) GENENTECH INC
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(GETH ) GEN
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No. 1.5e-35;
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Pred. No. 1.5e-35;
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No. 1.5e-35;
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No. 1.5e-35;
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Human secreted/transmembrane protein PRO1132
US2003059832-A1.
27-MAR-2003.
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Novel human secreted and transmembrane
US2003082691-A1.
01-MAY-2003.
(GETH ) GENENTECH INC.
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Human PRO polypeptide SEQ ID NO
US2003077713-A1.
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US2003068798-A1.
10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                   Novel human secreted and tran US2003073211-A1.
17-APR-2003.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #228.
US2003082710-A1.
01-MAY-2003.
(GETH ) GENENTECH INC.
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                               Human PRO polypeptide #228.
US2003087351-A1.
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Human PRO polypeptide #228.
US2003077722-A1.
24-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                  INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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RESULT 860
ID ABO43376 standard; p
DE Novel human secreted
PN US2003044945-A1.
PD 06-MAR-2003.
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RESULT 857
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Best Local Similarity
RESULT 856
ID ADB18905 standard; p
DE Novel human secreted
PN US2003073211-A1.
PD 17-APR-2003.
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Novel human secreted and transmembrane protein PRO1132
US2003082708-A1.
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Novel human secreted and transmembrane
US2003082695-A1.
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US2003082701-A1.
01-MAY-2003.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #228.
US2003073216-A1.
17-APR-2003.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #228.
US2003082761-A1.
01-MAY-2003.
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US2003073210-A1.
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Human PRO polypeptide #228.
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(GETH ) GENENTECH INC.
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ID ADA84828 standard;
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Human secreted/transmembrane protein PRO1132
US2003060407-A1.
27-MAR-2003.
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RESULT 879
ID ADB24263 standard; protein; 293 AA.
DE Human PRO polypeptide SEQ ID NO 456
PN US2003077714-A1.
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US2003077721-A1.
24-APR-2003.
(GETH ) GENENTECH TWA
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US2003082690-A1.
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Human PRO polypeptide #228.
US2003092147-A1.
15-MAY-2003.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #228.
US2003096386-A1.
22-MAY-2003.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #228.
US2003082702-A1.
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Human PRO polypeptide #228.
US2003082759-A1.
01-MAY-2003.
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(GETH ) GENENTECH INC
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(GETH ) GENENTECH INC
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DS2003077715-A1.
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ID ADA93551 stand?
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ID ADB31188 standard; p
DE Human PRO polypeptid
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RESULT 880
ID ADA96592 standard; F
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Novel human secreted and transmembrane protein PRO1132
US2003054516-A1.
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Novel human secreted and transmembrane protein PRO1132
US2003082709-A1.
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01-MAY-2003.
(GETH ) GENENTECH INC.
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                                   ADB26349 standard, protein;
Human PRO polypeptide #228.
US2003082760-A1.
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Human PRO polypeptide #228.
US2003068797-A1.
10-APR-2003.
                                                                                                                                                                                                                                                            ADB18353 standard; protein;
Human PRO polypeptide #228.
US2003077710-A1.
                                                                                                             ADB21834 standard; protein;
Novel human secreted and tra
US2003082765-A1.
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Human PRO polypeptide #228
US2003082699-A1.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC
YY Match
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Best Local Similarity
GENENTECH INC
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(GETH ) GENENTECH INC
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Best Local Similarity
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Novel human secreted and transmembrane protein PRO1132
US2003087344-A1.
08-MAY-2003.
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Novel human secreted and transmembrane protein PRO1132
US2003073213-A1.
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Human secreted/transmembrane polypeptide PRO1132
US2003040473-A1.
27-FEB-2003.
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Human secreted/transmembrane PRO polypeptide #96
US2003049638-A1.
13-MAR-2003.
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.5e-35;
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No. 1.5e-35;
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No. 1.5e-35;
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No. 1.5e-3E
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Human secreted/transmembrane protein PRO1132
US2003017982-A1.
23-JAN-2003.
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Human secreted/transmembrane protein PRO1132
US2003059782-A1.
27-MAR-2003.
                                                                                        PR01132
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Pred. No. 1.
   564.5;
No. 1.
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No. 1
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Pred. No. 1
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Human secreted/transmembrane protein
US2003044806-A1.
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Pred.
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US2003082686-A1.
01-MAY-2003.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #228.
US2003059909-A1.
27-MAR-2003.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #228.
US2003022239-A1.
30-JAN-2003.
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(GETH ) GENENTECH INC.
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RESULT 898
ID ADB22386 standard; public Novel human secretion Novel human secretion of the contract of t
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RESULT 896
ID ADA97696 standard; p
DE Human PRO polypeptid
PN US2003082686-A1.
PD 01-MAY-2003.
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Local Similarity
RESULT 897
ID ADB27453 Star?
DE Human PPC
PN US20.
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RESULT 895
ID ADA88691 standard; p
DE Novel human secreted
PN US2003073213-A1.
PD 17-APR-2003.
PA (GETH ) GENENTECH IN
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RESULT 893
ID ADA77061 standard; I
DE Human PRO polypeptic
PN US2003059909-A1.
PD 27-MAR-2003.
PA (GETH ) GENENTECH IN
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Best Local Similarity
RESULT 894
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RESULT 900
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Best Local S
RESULT 892
ID ABO53201
DE Human sec
PN US2003044
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       Score 564.5; DB 7 Pred. No. 1.5e-35;
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No. 1.5e-35;
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No. 1.5e-35;
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Novel human secreted and transmembrane
US2003082766-A1.
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Human PRO polypeptide SEQ ID NO 456
US2003077712-A1.
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US2003068793-A1.
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US2003087352-A1.
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Human PRO polypeptide #96.
US2003054403-A1.
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Human PRO polypeptide #228.
US2003077711-Al.
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(GETH ) GENENTECH INC.
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Query Match
Best Local Similarity 4
RESULT 908
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(GETH ) GENENTECH INC.
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RESULT 902
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RESULT 907
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(GETH ) GEN
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(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                 ADB39581 standard; protein; 293 AA.
Novel human secreted and transmembrane protein PRO1132
US2003082764-A1.
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No. 1.5e-35;
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No. 1.5e-35;
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Pred. No. 1.5e-35;
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No. 1.5e-35;
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                                                             564.5; DB 7
No. 1.5e-35;
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No. 1.5
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Pred. No. 1.
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Pred. No. 1.
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No. 1.
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Novel human secreted and transmembrane
US2003082687-A1.
01-MAY-2003.
(GETH ) GENENTECH INC.
ary Match
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Covarian cancer-associated protein #27
WO2002102235-A2.

27-DEC-2002.

(EOSB-) EOS BIOTECHNOLOGY INC.

Query Match

41.1%; Score 56
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24-APR-2003.
(GETH ) GENENTECH INC.
          293
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                                                                   est Local Similarity 45.3%;
ULT 912
ADB90480 standard; protein; 2
Human PRO polypeptide #228.
US2003082762-A1.
01-MAY-2003.
(GETH ) GENENTECH INC.
      Human PRO polypeptide #228.
US2003082698-A1.
                                                                                                                                               41.1%;
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45.38;
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Human PRO polypeptide #228.
US2003082697-A1.
                                                   INC
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PA (GETH) GENENTECH INC Query Match Best Local Similarity RESULT 915
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(GETH ) GENENTECH INC
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Locary Match
Best Local Similarity
RESULT 913
ID ADB80490 stard
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SULT 917
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Best Local Similarity
RESULT 919
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SULT 916
ADB86811 standard;
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(GETH ) GENENTECH
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No. 1.5e-35;
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No. 1.5e-35;
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No. 1.5e-35;
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No. 1.5e-35;
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No. 1.5e-35;
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Pred. No. 1.5e-35;
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Human secreted/transmembrane protein PRO1132
US2003069403-A1.
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ID ADC12020 standard; protein; 293 AA.
DE Human secreted/transmembrane protein PRO1132 PN US2003049681-A1.
PD 13-MAR-2003.
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Human secreted/transmembrane protein PRO1132
US2003068647-A1.
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No. 1.5
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Human PRO polypeptide SEQ ID NO 456
US2003077718-A1.
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ADB34021 standard; protein; 293
Human PRO polypeptide SEQ ID NO
US2003077716-A1.
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RESULT 927
ID ADC56442 standard; protein;
DE Human PRO polypeptide #96.
PN US2003064375-A1.
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Human PRO polypeptide #96.
US2003027754-Al.
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Best Local Similarity 45.3%;
RESULT 925
ID ADC55153 standard; protein;
DE Human PRO polypeptide #96.
PN US2003045463-A1.
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(GETH ) GENENTECH INC.
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Best Local Similarity
RESULT 924
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Novel human secreted and transmembrane protein Seq ID456
US2003087365-A1.

08-MAY-2003.

(GETH ) GENENTECH INC.
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                                                                                                                                                                       ADC60023 standard; protein; 293 AA.
Novel human secreted and transmembrane protein PRO1132
US2003092105-A1.
15-MAY-2003.
(GETH ) GENENTECH INC.
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08-MAY-2003.
(GETH ) GENENTECH INC.
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No. 1.5e-35;
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No. 1.5e-35;
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Pred. No. 1.
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08-MAY-2003.
(GETH ) GENENTECH INC.
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Novel human secreted and transmembrane US2003092106-A1.
15-MAY-2003.
(GETH) GENENTECH INC.
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                                                                                         ADC72044 standard; protein; 293 AA. Novel human secreted and transmembrane US2003092107-A1.
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Human PRO polypeptide #228.
US2003087362-A1.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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GETH ) GENENTECH I.

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RESULT 934
ID ADC57384 standard;
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RESULT 937
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RESULT 939
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GENENTECH INC

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ADC53636 standard; protein; 293 AA.
Novel human secreted and transmembrane protein Seq ID456
US2003087364-A1.
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Novel human secreted and transmembrane protein Seq ID456
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human secreted and transmembrane protein Seq ID456
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Novel human secreted and transmembrane protein PRO1132
US2003087348-A1.
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Novel human secreted and transmembrane protein PRO1132
US2003092104-A1.
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No. 1.5e-35;
                                                    Score 564.5; DB 7
Pred. No. 1.5e-35;
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No. 1.5e-35;
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Pred. No. 1.5e-35;
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Pred. No. 1.
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Human PRO polypeptide #228.
US2003194770-A1.
16-OCT-2003.
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Human PRO polypeptide #96.
US2003083461-A1.
                              08-MAY-2003.
(GETH ) GENENTECH INC.
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RESULT 940
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RESULT 941
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US2003087346-A1.
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Query Match
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Novel human secreted and transmembrane protein PRO1132 US2003087354-A1.
08-MAY-2003.
(GETH ) GENENTECH INC.
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ID ADD08679 standard; protein; 293 AA.
DE Novel human secreted and transmembrane protein PRO1132 PN US2003073090-A1.
PD 17-APR-2003.
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Novel human secreted and transmembrane protein PRO1132
US2003092103-A1.
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No. 1.5e-35;
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No. 1.5e-35;
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Novel human secreted and transmembrane US2002193299-A1.
19-DEC-2002.
(GETH ) GENENTECH INC.
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Best Local Similarity 45.3%;
RESULT 956
ID ADC48029 standard; protein; 2
DE Human PRO polypeptide #228.
PN US2003194771-A1.
PD 16-OCT-2003.
PA (GETH ) GENENTECH INC.
                            ID ADC48581 standard; protein; 2
DE Human PRO polypeptide #228.
PN US2003194773-A1.
PD 16-OCT-2003.
PA (GETH ) GENENTECH INC.
Query Match
                                                                                                                          ADD10110 standard; protein; 2 Human PRO polypeptide #228. US2003194776-A1. 16-OCT-2003. (GETH ) GENENTECH INC. 41.1%;
41.1%;
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US2003059833-A1.
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US2003194774-A1.
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(GETH ) GENENTECH INC.
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RESULT 950
ID ADD10110 standard; pour
DE Human PRO polver
PN US200310
Query Match
Best Local Similarity
SULT 949
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RESULT 955
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SULT 951
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   JT 958
ADC80089 standard; protein; 293 AA.
Novel human secreted and transmembrane protein PRO1132
US2003087358-A1.
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5e-35;
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Pred. No. 1.5e-35;
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No. 1.5e-35;
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No. 1.5e-35;
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Pred. No. 1
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Novel human secreted and transmembrane
US2002193300-A1.
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Novel human secreted and transmembrane US2003203438-A1.
30-OCT-2003.
(GETH ) GENENTECH INC.

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st Local Similarity 45.3%; Pred. No.
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Best Local Similarity 45.3%;
RESULT 960
ID ADD09558 standard; protein; 2
DE Human PRO polypeptide #228.
PN US2003194775-A1.
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US2003077593-A1.
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Human PRO polypeptide #96.
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US2003194792-A1.
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US2003059783-A1.
27-MAR-2003.
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Human PRO polypeptide #228.
US2003194769-A1.
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(GETH ) GENENTECH INC.
                                     08-MAY-2003.
(GETH ) GENENTECH INC.
ry Match
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(GETH ) GENENTECH INC.
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RESULT 963
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Novel human secreted and transmembrane protein PRO1132
US2003087304-A1.
08-MAY-2003.
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No. 1.5e-35;
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No. 1.5e-35;
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             Score 564.5; DB 7 Pred. No. 1.5e-35;
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Pred. No. 1.
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No. 1.
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Novel human secreted and transmembrane
US2003203432-A1.
30-OCT-2003.
(GETH ) GENENTECH INC.
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ADD92590 standard; protein; 29
Human PRO polypeptide #228.
PN US2003199030-A1.
PD 23-OCT-2003.
PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 4F.
RESULT 974
ID ADD91486 stand*
DE Human PRO T
PN US20031*
PD 23-C
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DE Human PRO polypeptide #96.
PN US2002132253-A1.
PD 19-SEP-2002.
PA (GETH ) GENENTECH INC.
Query Match
                                                                                               Query Match

Query Match

Best Local Similarity 45.3%;

RESULT 969

ID ADD02657 standard; protein;

DE Human PRO polypeptide #228.

PN US2003203431-A1.

PD 30-OCT-2003.

PA (GETH ) GENENTECH INC
                                                                                                                                                                                                                                     Human PRO polypeptide #228.
US2003203430-A1.
30-OCT-2003.
(GETH ) GENENTECH INC.
PD 24-APR-2003.

Query Match
Best Local Similarity 45.3%;
RESULT 968
ID ADD51858 standard; protein; 2:
DE Human PRO polypeptide #228.
PN US2003194779-A1.
PD 16-OCT-2003.
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Human PRO polypeptide #228.
US2003199057-A1.
23-OCT-2003.
(GETH ) GENENTECH INC.
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Best Local Similarity
RESULT 972
ID ADD54678 standard; p
DE Human PRO polypeptid
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Best Local Similarity
SULT 975
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Best Local Similarity
RESULT 971
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RESULT 970
ID ADD02091 Btandard;
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                                      protein PR01132
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1.5e-35;
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1.5e-35;
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No. 1.5e-35;
564.5; DB 7
No. 1.5e-35;
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Pred. No. 1.5e-35;
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US2003199023-A1.
23-OCT-2003.
(GETH ) GENENTECH INC.
                                             US2003157.
16-OCT-2003.
(GETH ) GENENTECH INC.
41.1%;
41.1%;
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Human PRO polypeptide #228.
US2003203428-A1.
30-OCT-2003.
(GETH ) GENENTECH INC.
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US2003194772-A1.
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Human PRO polypeptide #228.
US2003207417-A1.
06-NOV-2003.
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                          ADE32397 standard; protein;
Novel human secreted and tr
US2003194765-A1.
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(GETH ) GENENTECH INC.
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(GETH ) GENENTECH INC.
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ADE42089 standard
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No. 1.5e-35;
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No. 1.
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Best Local Similarity 45.3%; Freu.
RESULT 993
ID ADE26299 standard; protein; 293 AA.
DE Novel human secreted and transmembrane PN US2003087305-A1.
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transmembrane
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Human PRO polypeptide #228.
US2003199064-A1.
23-OCT-2003.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #228.
US2003203429-A1.
30-OCT-2003.
(GETH ) GENENTECH INC.
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US2003194766-A1.
16-OCT-2003.
(GETH.) GENENTECH INC.
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Human PRO polypeptide #228.
US2003199033-A1.
23-OCT-2003.
(GETH ) GENENTECH INC.
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                     ADD93142 standard; protein;
Human PRO polypeptide #228.
US2003194768-A1.
16-OCT-2003.
(GETH ) GENENTECH INC.
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                                                                                     Best Local Similarity 45.3%; RESULT 987
ID ADE19562 standard; protein; DE Human PRO polypeptide #228. PN US2003199025-A1.
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Human PRO polypeptide #228.
US2003199026-Al.
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Human PRO polypeptide #228.
US2003199059-A1.
 45.3%;
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(GETH ) GENENTECH INC
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RESULT 988
ID ADE19010 standard; p
DE Human PRO polypeptid
PN US2003199026-A1.
PD 23-OCT-2003.
PA (GETH ) GENENTECH IN
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Best Local Similarity
RESULT 989
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Best Local Similarity
RESULT 986
ID ADD93142 standard;
DE Human PRO polypept:
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(GETH ) GENENTECH
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Pred. No. 1.5e-35;
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No. 1.5e-35;
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Human PRO1132 amino acid sequence SEQ ID NO:309
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No. 1.5e~35;
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PN US2003199034-A1.
PD 23-OCT-2003.
PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 45.3%; PRESULT 1000
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Human PRO polypeptide #228.
US2003194777-A1.
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 ADE42641 standard; protein;
Human PRO polypeptide #228.
US2003199032-A1.
23-OCT-2003.
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Human PRO polypeptide #228.
US2003199028-A1.
23-OCT-2003.
(GETH ) GENENTECH INC.
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US2003199031-A1.
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(GETH ) GENENTECH INC.
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RESULT 1003
ID ADG23247 standard; I
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RESULT 1002
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ADE40969 standard
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26-DEC-2002.
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Novel human secreted and transmembrane protein PRO1132
US2003207388-A1.
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ID ADI64157 standard; protein; 293 AA.

DE Novel human secreted and transmembrane protein PRO1132

PN US2003207385-A1.
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Novel human secreted and transmembrane protein PRO1132 US2003207379-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
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Pred. No. 1.5e-35;
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66-NOV-2003.
(GETH ) GENENTECH INC.
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Novel human secreted and transmembrane
US2003207381-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
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RESULT 1006
ID ADG80094 standard; protein; 2
DE Human PRO polypeptide #228.
PN US2003207372-A1.
PD 06-NOV-2003.
PA (GETH ) GENENTECH INC.
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US2003050457-A1.
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Human PRO polypeptide #228.
US2003207373-A1.
Human PRO polypeptide #228
US2003207370-A1.
06-NOV-2003.
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(GETH ) GENENTECH INC
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6GTH ) GENENTECH IN
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ID ADH55938 stand
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RESULT 1009
ID ADI35490 standard; p
DE Human PRO polypeptid
PN US2003050457-A1.
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Best Local Similarity
RESULT 1007
ID ADH55386 standard; p
DE Novel human secreted
PN US2003207381-A1.
PD 06-NOV-2003.
PA (GETH ) GENENTECH IN
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RESULT 1011
ID ADI65106 standard; F
DE Novel human secreted
PN US2003207386-A1.
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Best Local Similarity
RESULT 1012
ID AD163605 standard; F
DE Novel human secreted
PN US2003207387-A1.
PD 06-NOV-2003.
PA (GETH ) GENENTECH IN
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Best Local Similarity
RESULT 1005
ID ADG80646 standard; p
DE Human PRO polypeptid
PN US2003207373-A1.
PD 06-NOV-2003.
PA (GETH ) GENENTECH IN
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08-MAY-2003.
(GETH ) GENENTECH INC.
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08-MAY-2003.
(GETH ) GENENTECH INC.
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Novel human secreted and transmembrane protein PRO1132 US2003087385-A1.
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ID ADN15483 standard; protein; 293 AA.

DE Novel human secreted and transmembrane protein PRO1132 PD 08-MAY-2003
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Novel human secreted and transmembrane protein PRO1132
US2003087357-A1.
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ID ADN39198 standard; protein; 293 AA.
DE Cancer/angiogenesis/fibrosis-related polypeptide, PN WO2003042661-A2.
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Pred. No. 1.5e-35;
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No. 1.5e-35;
                                Novel human secreted and transmembrane US2003049682-A1.
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RESULT 1018
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ID ADH99982 standard;
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PN US2003092111-A1.
PD 15-MAY-2003.
PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 45.3%; PRESULT 1030
                                                     ID ADD76641 standard; protein; 2
DE Human PRO polypeptide #228.
PN US2003100087-A1.
PD 29-MAY-2003.
PA (GETH ) GENENTECH INC.
Query Match
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Human PRO polypeptide #228.
US2003203440-A1.
30-OCT-2003.
(GETH ) GENENTECH INC.
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US2003092108-A1.
15-MAY-2003.
(GETH ) GENENTECH INC.
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DE Human PRO polypeptide #228.
PN US2003199062-A1.
PD 23-OCT-2003.
PA (GETH ) GENENTECH INC.
Query Match
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Human PRO polypeptide #228.
US2003092113-A1.
15-MAY-2003.
(GETH ) GENENTECH INC.
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US2003092110-A1.
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Human PRO polypeptide #228.
US2003211571-A1.
13-NOV-2003.
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Human PRO polypeptide #228.
US2003203439-A1.
30-OCT-2003.
(GETH ) GENENTECH INC.
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RESULT 1031
ID ADE89319 standard; DE Human Pro-
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ADE23433 standard;
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(GETH ) GENENTECH
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ID ADD76641
DE Human
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                                                                                                      ID ADE88767 standard; protein; 29
DE Human PRO polypeptide #228.
PN US2003199054-A1.
PD 23-OCT-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 45.3%;
RESULT 1034
ID ADE94787 standard; protein; 28
DE Human PRO polypeptide #228.
PN US2003199027-A1.
PA (GETH) GENENTECH INC.
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Best Local Similarity 45.3%;
RESULT 1038
ID ADE93449 standard; protein; 2.
DE Human PRO polypeptide #228.
PN US2003199060-A1.
PD 23-OCT-2003.
PA (GETH) GENENTECH INC.
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RESULT 1037
ID ADE95339 standard; protein; 2
DE Human PRO polypeptide #228.
PN US2003199052-A1.
PD 23-OCT-2003.
                 Human PRO polypeptide #228.
US2003194794-A1.
16-OCT-2003.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #228.
US2003199029-A1.
23-OCT-2003.
(GETH ) GENENTECH INC.
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Novel human secreted and tru
US2003199051-A1.
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45.3%;
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Human PRO1132 polypeptide.
US2003194760-A1.
16-OCT-2003.
45.3%;
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(GETH ) GENENTECH INC
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RESULT 1039
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RESULT 1040
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RESULT 1035
ID ADE91198 standard;
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Similarity
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ADE18458
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RESULT 1041
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RESULT 1045
ID ADG22158 standard; protein; 293 AA.
DE Novel human secreted and transmembrane protein PRO1132
PN US2003207360-A1.
PD 06-NOV-2003.
PD (GETH) GENENTECH INC.
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No. 1.5e-35;
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No. 1.5e-35;
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.5e-35;
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No. 1.5e-35;
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No. 1.5e-35;
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Pred. No. 1.
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transmembrane
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RESULT 1049
ID ADF98705 standard; protein; 2
DE Human PRO polypeptide #228.
PN US2003208055-A1.
PD 06-NOV-2003.
PA (GETH) GENENTECH TNC
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US2003207352-A1.
06-NOV-2003.
(GETH ) GENENTECH TWA
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Human PRO polypeptide #228.
US2003207376-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
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ADE90646 standard; protein;
Human PRO polypeptide #228.
US2003199063-A1.
23-OCT-2003.
(GETH ) GENENTECH INC.
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Human PRO1132 polypeptide.
US2003228655-Al.
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Novel human secreted and tr
US2003207426-A1.
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(GETH ) GENENTECH INC
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(GETH ) GENENTECH INC
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Best Local Similarity
RESULT 1043
ID ADG11685 standard; p
DE Human PRO1132 polype
PN US2003228655-A1.
PD 11-DEC-2003.
                                                                                                   Query Match
Best Local Similarity
RESULT 1042
ID ADE91793 standard, p
DE Novel human secreted
PN US2003199058-A1.
PD 23-OCT-2003.
PA (GETH ) GENENTECH IN
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Best Local Similarity
RESULT 1046
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SULT 1047
ADF98134 standard;
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No. 1.5e-35;
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Pred. No. 1.5e-35;
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                                          Score 564.5; DB 8 Pred. No. 1.5e-35;
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Pred. No. 1.
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No. 1.5
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Novel human secreted and transmembrane
US2003207424-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
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                                                                     AUF99257 standard; protein; 2
Human PRO polypeptide #228.
US2003207353-Al.
06-NOV-2003.
(GETH ) GENENTECH INC.
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RESULT 1053
ID ADG05301 standard; protein; 2
DE Human PRO polypeptide #228.
PN US2003207375-A1.
PD 06-NOV-2003.
PA (GETH ) GENENTECH INC.
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US2003207359-A1.
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Human PRO polypeptide #228.
US2003207425-Al.
06-NOV-2003.
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ID ADG13405 standard; protein;
DE Human PRO polypeptide #228.
PN US2003207357-A1.
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Human PRO polypeptide #228.
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Human PRO polypeptide #228.
US2003207371-A1.
06-NOV-2003.
Human PRO polypeptide #228
US2003207351-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
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RESULT 1052
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ADG15632 standard
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                                            Novel human secreted and transmembrane protein PRO1132 US2003207389-A1.
                                                                                                                                                                                                                                                                                    ADUZ4989 standard; protein; 293 AA.
Novel human secreted and transmembrane protein PRO1132
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ADG07286 standard; protein; 293 AA.
Novel human secreted and transmembrane protein PRO1132 US2003207350-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
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RESULT 1064

ID ADG07838 standard; protein; 293 AA.

DE Novel human secreted and transmembrane protein PRO1132 PN US2003207356-A1.

PD 06-NOV-2003.

PD (GETH ) GENENTECH INC.
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Novel human secreted and transmembrane protein PRO1132 US2003194778-A1.
16-OCT-2003.
(GETH ) GENENTECH INC.
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ID ADG60997 standard; protein; 293 AA.
DE Novel human secreted and transmembrane protein PRO1132 PD 06-NOV-2003.
PD 06-NOV-2003.
PA (GETH ) GENENTECH INC.
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Novel human secreted and transmembrane protein PRO1132 US2003207428-A1.
                              ; DB 8;
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Pred. No. 1.5e-35;
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US2003207423-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #228.
US2003207358-A1.
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(GETH ) GENENTECH INC.
06-NOV-2003.
(GETH ) GENENTECH INC
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(GETH ) GENENTECH INC
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RESULT 1062
ID ADG24989 standard; D1
DE Novel human secreted
PN US2003207427-A1
PD 06-NOV-2007
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RESULT 1063
ID ADG07286 stand
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RESULT 1061
ID ADG04088 standard; p.
DE Human PRO polypeptide
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JETH ) GENENTECH I.
Best Local Similarity
RESULT 1065
ID ADG55333 stand
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PN US20031
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Best Local Similarity
RESULT 1060,
ID ADG23799 standard; p
DE Novel human secreted
PN US2003207389-A1.
PD 06-NOV-2003.
PA (GETH ) GENENTECH IN
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DE Novel human secreted and transmembrane protein PRO1132.

PN US2003207368-A1.

PD 06-NOV-2003.

PA (GETH) GENENTECH INC.

Query Match

A1.1%; Score 564.5; DB 8; Length 2

Best Local Similarity 45.3%; Pred. No. 1.5e-35;

ID ADG71011 standard; protein; 293 AA.

DE Novel human secreted and transmembrane protein PRO1132.

PN US2003207420-A1.

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Novel human secreted and transmembrane protein PRO1132
US2003207363-A1.
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Human PRO polypeptide #228.
US2003207805-A1.
06-NOV-2003.
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RESULT 1076
ID ADG71563 standard;
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RESULT 1075
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No. 1.5e-35;
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Human secreted/transmembrane protein PRO1132
US2003224358-A1.
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No. 1.5
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Pred. No. 1.
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Best Local Similarity 45.3%; Pred. No. 1.
RESULT 1082
ID ADG54229 standard; protein; 293 AA.
DE Novel human secreted and transmembrane pr PN US2003207416-A1.
PD 06-NOV-2003.
PA (GETH ) GENENTECH INC.
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Pred. No. 1
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Query Match
Best Local Similarity 45.3%;
RESULT 1078
ID ADH19555 standard; protein; 2
DE Human secreted/transmembrane
PN US2003228656-A1.
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Novel human secreted and tra
US2003207366-Al.
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RESULT 1079
ID ADH30712 standard; protein;
DE Human PRO polypeptide #228.
PN US2003077723-A1.
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(GETH ) GENENTECH INC
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(GETH ) GENENTECH INC
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(GETH ) GENENTECH INC
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RESULT 1081
ID ADG52501 Standard; p1
DE Novel human secreted
PN US2003207414-A1
PD 06-NOV-2
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Best Local Similarity
RESULT 1083
ID ADG81198 stard
DE Human PRO
PN US2007
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ADH12703 standard;
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RESULT 1084
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RESULT 1087
ID ADG61549 standard; protein; 293 AA.
DE Novel human secreted and transmembrane protein PRO1132
PN US2003207429-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADG09988 standard; protein; 293 AA.
Novel human secreted and transmembrane protein PRO1132 US2004009548-A1.
15-JAN-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                ADG54781 standard; protein; 293 AA.
Novel human secreted and transmembrane protein PRO1132
US2003207367-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADI15459 standard; protein; 293 AA.
Novel human secreted and transmembrane protein PRO1132
US2003207382-A1.
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No. 1.5e-35;
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No. 1.5e-35;
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No. 1.5e-35;
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No. 1.5e-35;
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No. 1.5e-35;
                                                                                     ADH20088 standard; protein; 293 AA.
Human secreted/transmembrane protein PRO1132
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Pred.
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US2003022331-A1.
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US2003207361-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
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2003.
GENENTECH INC.
41.1%;
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(GETH ) GENENTECH INC.
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                                                 (GETH ) GENENTECH INC
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Best Local Similarity
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Best Local Similarity
RESULT 1093
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Best Local Similarity
RESULT 1095
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Best Local Similarity
RESULT 1090
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Best Local Similarity
RESULT 1094
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27-NOV-2003.
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Novel human secreted and transmembrane protein PRO1132062207383-A1.
                                                                                              ADI18386 standard; protein; 293 AA.
Novel human secreted and transmembrane protein PRO1132
US2003207349-A1.
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1.5e-35;
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Pred. No. 1.5e-35;
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No. 1.5e-35;
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transmembrane
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PN US2004038335-A1.
PD 26-FEB-2004.
PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 45.3%; F
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US2004058424-A1.
25-MAR-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                              Best Local Similarity 45.3%;
RESULT 1098
ID ADJ63667 standard; protein; 2
DE Novel human secreted and tran
PN US2004039164-A1.
PD 26-FEB-2004.
PA (GETH ) GENENTECH INC.
Query Match
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Human PRO polypeptide #228.
US2004077064-A1.
22-APR-2004.
(GETH ) GENENTECH INC.
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                                                               41.18;
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Human PRO polypeptide #228.
US2004038336-A1.
26-FEB-2004.
(GETH ) GENENTECH INC.
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Human PRO polypeptide #228.
US2004048333-A1.
11-MAR-2004.
(GETH ) GENENTECH INC.
                                                                                                                               06-NOV-2003.
(GETH ) GENENTECH INC
TY Match
                                         06-NOV-2003.
(GETH ) GENENTECH INC
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RESULT 1100
ID ADJ65684 standard; pr
DE Human PRO polypept;
PN US2004038335-
PD 26-FEP-
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RESULT 1099
ID ADJ77562 standard; p
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ADK52481 standard; Human kallikrein 5 pw02004021008-A2.
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(MOUN ) MOUNT SINAI
(YOUS/) YOUSEF G.
                                                             Query Match
Best Local Similarity
RESULT 1097
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Best Local Similarity
RESULT 1104
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RESULT 1103
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                                                                                             ADI96440 standard; protein; 293 AA.
Novel human secreted and transmembrane protein PRO1132
US2003207354-A1.
06-NOV-2003.
                                                                                                                                                                                                                                                         ADR72873 standard; protein; 293 AA.

Human ovarian cancer-related tumour marker kallikrein WO2004075713-A2.

10-SEP-2004.

(MOUN ) MOUNT SINAI HOSPITAL.
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L.5e-35;
                                                                 564.5; DB 8;
No. 1.5e-35;
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No. 1.5e-35;
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No. 1.6e-35;
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1.5e-35;
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1.5e-35;
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1.5e-35;
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Amino acid sequence of novel human protease #28
WO200200860-A2.
                                                                                                                                               564.5; DB 8
No. 1.5e-35;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    , DB 5;
1.5e-35;
                                                                                                                                                                           ADR72621 standard; protein; 293 AA.
Human renal cell carcinoma-related kallikrein
WO2004077060-A2.
10-SEP-2004.
(MOUN) MOUNT SINAI HOSPITAL.
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Pred. No. 1.5
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Pred. No. 1
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No. 1
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Pred. No. ]
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Human PRO polypeptide #228.
US2003077659-A1.
24-APR-2003.
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Human ovarian cancer marker
WO200271928-A2.
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Human NES1 polypeptide.
WO9639175-A1.
                                                                                                                                       INC.
                                                        GENENTECH INC.
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(ABBO ) ABBOTT LAB.
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Best Local Similarity
RESULT 1106
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Local Similarity
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Best Local Similarity
RESULT 1109
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1114
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1108
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(SUGE-) SUGEN INC.
                                                                                                                                       GENENTECH
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14-SEP-2000.
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Human ovarian cancer-related tumour marker kallikrein 10
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Human renal cell carcinoma-related kallikrein 10 (hK10)
WO2004077060-A2.
10-SEP-2004.
WOUN ) MOUNT SINAI HOSPITAL.
Query Match
41.0%; Score 564; DB 8; Length
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                                                                                                                                                                                                                                                        ADN39880 standard; protein; 276 AA.
Cancer/angiogenesis/fibrosis-related polypeptide,
WO2003042661-A2.
22-MAY-2003.
(EOSB-) EOS BIOTECHNOLOGY INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      561.5; DB 3;
No. 2.2e-35;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         41.0%; Score 564; DB 8; 45.9%; Pred. No. 1.5e-35;
                                                                                                                                                                                                          ; DB 7;
1.5e-35;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 1118

ID ADQ89070 standard; protein; 276 AA.

ID ADQ89070 standard; protein; 276 AA.

DE Human urological disorder related protein 2045

PN WO2004065576-A2.

PD 05-AUG-2004.

PA (MILL-) MILLENNIUM PHARM INC.

PA (MILL-) AILLENNIUM PHARM INC.

Query Match

41.0%; Score 564; DB 8;

Query Match

45.9%; Pred. No. 1.5e-35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 8;
                                                                                                                                                                                                                                                                                                                            OLOGY INC. 41.0%; Score 564; DB 7; 45.9%; Pred. No. 1.5e-35;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1.5e-35;
                                                    OLOGY INC.
41.0%; Score 564; DB 7;
45.9%; Pred. No. 1.5e-35
                                                                                                                    ADE40473 standard; protein; 276 AA.

Human kallikrein 10 (gene ID 2045) protein.
WO2003070883-A2.
28-AUG-2003.
(MILL-) MILLENNIUM PHARM INC.
sry Match
41.0%; Score 564; DE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 564;
Pred. No. 1
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No. 1
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Pred. No.
Ovarian cancer-associated protein #46 WO2002102235-A2. 27-DEC-2002. (EOSB-) EOS BIOTECHNOLOGY INC.
                                                                                                                                                                                                                                                                                                                                                                                            ADNO4446 standard; protein; 276 AA. Antipsoriatic protein sequence #416 WO2004028479-A2. 08-APR-2004. (GETH ) GENENTECH INC.
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Pred.
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Human KLK-L2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  237 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   256
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Human KLK-L6 protein #1.
WO200053776-A2.
14-SEP-2000.
(MOUN ) MOUNT SINAI HOSPITAL.
iuery Match
est Local Similarity 48.1%; Pr
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Best Local Similarity 48.1%; F
RESULT 1122
ID AAB21299 standard; protein; 25
DE Human KLK-L4 protein #1.
PN WO200053776-A2.
PD 14-SEP-2000.
PA (MOUN) MOUNT SINAI HOSPITAL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WO2004075713-A2.
10-SEP-2004.
(MOUN) MOUNT SINAI HOSPITAL.
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45.9%;
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RESULT 1120
ID ADR72886 standard; p
DE Human ovarian cancer
PN WO2004075713-A2.
PD 10-SEP-2004.
                                                                                 Best Local Similarity
RESULT 1115
ID ADE40473 standard; p
DE Human kallikrein 10
PN WO2003070883-A2.
PD 28-AUG-2003.
PA (MILL-) MILLENNIUM P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
RESULT 1121
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Best Local Similarity
RESULT 1116
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Best Local Similarity
SSULT 1117
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Best Local Similarity
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us-10-006-856a-194

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                                                                                                                             Length 228;
                                                                                                                                                                                                                                                                                                                                                                                      Length 244;
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                                ; DB 3;
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2.3e-35;
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No. 2.3e-35;
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2.3e-35;
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2.3e-35;
                                                                        23
                                                            ABB98259 standard; protein; 228 AA.
Synthetic shortened trypsinogen SEQ ID NO
WO200261064-A2.
                                561.5
No. 2
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Pred. No. 2
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No.
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Protease M, a novel serine protease.
WO9811238-A2.
19-MAR-1998.
(DAND-) DANA FARBER CANCER INST INC.
ery Match
st Local Similarity 46.7%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           561;
No. ?
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No. ?
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2002.
EOS BIOTECHNOLOGY INC.
40.8%; Score 561;
'\7%; Pred. No.
                                                                                                      (HOFF ) ROCHE DIAGNOSTICS GMBH.

(HOFF ) HOFFMANN LA ROCHE & CO AG F.

ry Match

t Local Similarity 46.7%; Pred. No. 3
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Pred.
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Pred.
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EP576152-A1.
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                   SINAI HOSPITAL.
40.9%; S
arity 46.1%; P
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Human 2047 protein.
WO2003037258-A2.
08-MAY-2003.
(MILL-) MILLENNIUM PI
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Best Local Similarity
SSULT 1124
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Best Local Similarity
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RESULT 1128
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Best Local Similarity
RESULT 1126
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Best Local Similarity
RESULT 1130
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WO200053776-A2
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WO200053776-A2
WO200053776-A2
                    MOUNT
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(ELIL ) LILLY
         14-SEP-2000.
(MOUN ) MOUN
ery Match
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(hK6) protein
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40.8%; Score 561; DB 8; Length
Best Local Similarity 46.7%; Pred. No. 2.3e-35;
RESULT 1137

ID ADR72876 standard; protein; 244 AA.
DE Human ovarian cancer-related tumour marker kallikrein
PN WO2004075713-A2.
PD 10-SEP-2004.
PA (MOUN ) MOUNT SINAI HOSPITAL.
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                                                                                                                                                                                                                                                                                                                                SEQ: 28
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2.3e-35;
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6.9e-35;
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2.3e-35;
                              ; DB 7;
2.3e-35;
                                                                                                                                                                                                                                                                                                              ADQ89076 standard; protein; 244 AA.
Human urological disorder related protein 2047
WO2004065576-A2.
05-AUG-2004.
(MILL-) MILLENNIUM PHARM INC.
sry Match
st Local Similarity 46.7%; Pred. No. 2.3e-35;
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Human renal cell carcinoma-related kallikrein
WO2004077060-A2.

10-SEP-2004.

(MOUN ) MOUNT SINAI HOSPITAL.

2TY Match

2t Local Similarity 46.7%; Pred. No. 2.3e-35
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No. 2.3e-3
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Human amyloid precursor protein protease
WO9631122-A1.
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Pred. No. 2
                                                                                                                                                561;
No. ;
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No.
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No. E
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Pred. No.
                                                                                                                                                                                            protein; 244 AA.
associated protein
                                                                       ADNO4074 standard; protein; 244 AA. Antipsoriatic protein sequence #232 WO2004028479-A2. 08-APR-2004. (GETH ) GENENTECH INC.
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Pred.
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Pred.
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Pred.
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                 INC
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h
similarity 46.1%;
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Query Match
Best Local Similarity 46.9%;
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                            40.8%;
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Human KLK-L3 protein #1.
WO200053776-A2.
14-SEP-2000.
(MOUN ) MOUNT SINAI HOSPITAL
                                                                                                                                                 40.8%;
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22-MAY-2003.
(EOSB-) EOS BIOTECHNOLOGY
                                                                                                                                                                           RESULT 1134

ID ADN29289 standard; prote DE Human kallikrein 6 assoc PN US2004097452-A1.

PD 20-MAY-2004.

PA (ISIS-) ISIS PHARM INC.
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13-A2.

2004.

Local Mount SINAI

Best Local Similarity

RESULT 1138

ID ABG96357 stand

DE Human ovar

PN WO20027

PD 19-7
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RESULT 1135
ID ADQ89076 standard; p
DE Human urological dis
PN WO2004065576-A2.
PD 05-AUG-2004.
PA (MILL-) MILLENNIUM P
                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
RESULT 1136
ID ADR72624 standard; p
DE Human renal cell car
PN WO2004077060-A2.
PD 10-SEP-2004.
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RESULT 1139
ID AAB21297 standard; p
DE Human KLK-L3 protein
PN WO200053776-A2.
PD 14-SEP-2000.
PA (MOUN) MOUNT SINAL
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Best Local Similarity
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Best Local Similarity
RESULT 1140
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05-JAN-1995.
(SYMB-) SYMBI
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SEQ ID NO:498

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Query Match
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Protein differentially regulated in prostate cancer
WO200281638-A2.
17-OCT-2002.
(ORIG-) ORIGENE TECHNOLOGIES INC.
sry Match
st Local Similarity 44.6%; Pred. No. 6.9e-35;
                                                                                                                                                                                                                                                                                                                                                                                                             in prostate cancer
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                                                           48
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6.9e-35;
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Pred. No. 6.9e-35;
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6.9e-35;
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ORIGENE TECHNOLOGIES INC.

40.4%; Score 555; DB 6;

Aimilarity 44.6%; Pred. No. 6.9e-35;
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                                                                                                                                                                                                      , DB 5;
6.9e-35;
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Pred. No. 6.9e-35
                   Score 555; DB 2;
Pred. No. 6.9e-35
                                                           П
                                                                                                                                                                                                                                     AAU82740 standard; protein; 253 AA.
Amino acid sequence of novel human protease
WO200200860-A2.
                                                           SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity 44.6%; Pred. No. 6.9 RESULT 1147

ID ABR58471 standard; protein; 253 AA.

DE Human stratum corneum chymotryptic enzyme
                                                                                                                                                                                                       555;
No. (
                                                                                                                                                                                                                                                                                        Score 555;
Pred. No. (
                                                                                                              Score 555;
Pred. No.
                                               peptide; 253 AA.
N-terminal fragment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADB80484 standard; protein; 253 AA.
Ovarian cancer-associated protein #24
WO2002102235-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADJ68833 standard; protein; 253 AA. Human heat mitochondrial protein as WO2003087768-A2.
                                                                                                                                                                                                        Score
Pred.
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                                                                                                                                                                                                                                                                                                                                                                                                    ABU07471 standard; protein; 253 AA Protein differentially regulated in WO200281638-A2.
17-OCT-2002.
(ORIG-) ORIGENE TECHNOLOGIES INC.
                                                                                                                                            253 AA
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                  40.48;
                                                                                                              40.48;
                                                                                                                                            protein;
          & CO ELI
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                                                                                                                                          ABB84406 standard; Human SCCE protein. WO200262135-A2. 15-AUG-2002. (EGEL/) EGELRUD T. (HANS/) HANSSON L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 1149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
1150
                                                ABB84421 standard;
Human SCCE protein
WO200262135-A2.
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                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 1145
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Best Local Similarity
RESULT 1146
                                                                                                                     Best Local Similarity RESULT 1143
                            Similarity
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                                                                                                                                                                                                                                                                             SUGEN INC.
                                                                                          다그
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                                                                               15-AUG-2002.
(EGEL/) EGELRUD
(HANS/) HANSSON
10-OCT-1996.
(ELIL ) LILLY
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(SUGE-) SUG
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                    Query Match
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                                      RESULT 1142
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(hK7) protein.
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                                                                                                          Length
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Human ovarian cancer-related tumour marker kallikrein
WO2004075713-A2.

10-SEP-2004.

(MOUN ) MOUNT SINAI HOSPITAL.

ery Match

ery Match

v. 6.9e-35;
Cancer/angiogenesis/fibrosis-related polypeptide,
WO2003042661-A2.
22-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 6;
                                                                                                         ; DB 7;
6.9e-35;
                                                                                                                                                                                                                                                                                                                    DB 8;
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6.9e-35;
                                                                                                                                                                                                               target (TAT)
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                                                                                                                                                                                                                                                                                                                 Score 555;
Pred. No. 6
                                                                                  (EOSB-) EOS BIOTECHNOLOGY INC.
ry Match
t Local Similarity 44.6%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 555;
Pred. No.
                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 44.6%; Score 555
RESULT 1152
ID ADN04182 standard; protein; 253 AA.
DE Antipsoriatic protein sequence #286.
PN WO2004028479-A2.
PD 08-APR-2004.
PA (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADA05734 standard; protein; 252 AA. Human NOV18b protein SEQ ID NO:94. WO2003029424-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              252 AA
                                                                                                                                                                                      ADL06515 standard; protein; 253 AA
Human tumour-associated antigenic
WO2004016225-A2.
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SHENOY S G.
SHIMKETS R A.
ROTHENBERG M I
                                                                                                                                                                                                                                                                                             GENENTECH INC.
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ANDERSON D W.
ZHONG M.
CATTERTON E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PATTURAJAN M.
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(CURA-) CURAGEN CORP.
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RESULT 1155

ID ADN62898 standard; p:
BN US2004038223-A1.
BN US2004.
BN US2004.
BN US2004.
BN US2004.
BN USZOON
BN USEKUDA R.
BN USEKUDA R.
BN USPYT/) BN USPN R.
BN USPN BN USENBUR BN BN USPN BN USENBUR USEN
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Best Local Similarity
RESULT 1154
ID ADA05734 standard; p
DE Human NOV18b protein
PN WO2003029424-A2.
PD 10-APR-2003.
PA (CURA-) CURAGEN CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MILLET I.
PEYMAN J A.
KEKUDA R.
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RESULT 1153
                                                                                                         Query Match
Best Local Similarity
RESULT 1151
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Length 253
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Pred. No. 1.1e-34;
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9.8e-35;
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                                                     AAY08025 standard; protein; 253 AA.
Mouse protease-related protein (PVP).
DE19736198-C1.
24-DEC-1998.
(DEKR-) DEUT KREBSFORSCHUNGSZENTRUM.
ary Match
st Local Similarity 43.5%; Pred. No. 9e-35;
                               Score 553.5; DB Pred. No. 9e-35;
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No.
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Pred. No.
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Pred.
                                                                                                                      ADN62896 standard; protein; 250 AA
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                               40.3%;
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(ELIL) LILLY & CO ELI.
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EDINGER S R.
ELLERMAN K.
MALYANKAR U M.
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ROTHENBERG M E
LEACH M D
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GORMAN L.
ZERHUSEN B D.
ANDERSON D W.
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BERGHS C.
DIPIPPO V A.
EISEN A.
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LT 1158
AAY77494 standard; pr
Bovine trypsinogen.
WO200005384-A1.
                                                                                                                                                                                                              PATTURAJAN M
                                                                                                                                                                                                                                                                                           CATTERTON E.
                                                                                                                                                                MILLEI I.
PEYMAN J A.
KEKUDA R.
                                                                                                                                                       SMITHSON G.
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SHENOY S G.
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EP597681-A1.
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                               y Match
Local Similarity
1156
                                                                                                     Best Local Similarity RESULT 1157
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Best Local Similarity
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                                                                                                                            Human NOV18a.
US2004038223-A1.
26-FEB-2004.
(SMIT/) SMITHSON
    GANGOLLI
RIEGER D
SPADERNA
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EISEN A
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E1 C
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(EISE/)
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(ROTH/)
(LEAC/)
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(BERG/)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  E Novel human connective tissue related polypeptide NO200155343-A1.

D 02-AUG-2001.

A (HUMA-) HUMAN GENOME SCI INC.

Query Match
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.6e-34;
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Pred. No. 2.6e-34;
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Pred. No: 1.5e-34;
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                                               ; DB 3;
1.1e-34;
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1.1e-34;
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Pred. No. 2.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 547.5
Pred. No. 2
                                               Score 552;
Pred. No. 1
                                                                                                                                             Score 552;
Pred. No. 1
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Pred. No. 1
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Human novel secreted protein, SEQ ID
WO200155441-A2.
                                                                                                                                                                                                                                                                                                                                                                                      247 AA.
sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Connective tissue antigen (CTA) #243 US2003054375-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAU23752 standard; protein; 247 AA.
Novel human enzyme polypeptide #838
WO200155301-A2.
02-AUG-2001.
(HUMA-) HUMAN GENOME SCI INC.
                                                                                                                                                                               250 AA.
NO:92.
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                                                                                   231 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SCI INC.
39.8%; S
46.1%; F
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39.8%; S
46.1%; E
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ID AAB35701 standard; protein; 24
DE Human trypsin hL amino acid se PN JP2000253887-A.
PD 19-SEP-2000.
PA (TTPH-) TT PHARMA KK.
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02-AUG-2001.
(HUMA-) HUMAN GENOME SCI INC.
39.8%;
ery Match
                                                                                                                                        46.3%;
                                                                                                                                                                             ADA05732 standard; protein;
Human NOV18a protein SEQ ID
WO2003029424-A2.
10-APR-2003.
(CURA-) CURAGEN CORP.
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                                    ELI.
.40.2%;
46.3%;
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                                                                                 AAB80953 standard; protein;
Bovine met-phe-trypsinogen.
WO200119970-A2.
22-MAR-2001.
(ELIL) LILLY & CO ELI.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20-MAR-2003.
(HUMA-) HUMAN GENOME
                                                       Best Local Similarity
RESULT 1161
ID AAB80953 standard; pl
DE Bovine met-phe-tryps:
PN WO200119970-A2.
PD 22-MAR-2001.
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LOCAL DILLY & CO

LOCAL Similarity
RESULT 1162

ID ADA05732 stand?

DE Human NOV1?

PN WO2003"

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RESULT 1168
ID ADB60011 standard; p
DE Connective tissue an
PN US2003054375-A1.
PD 20-MAR-2003.
Recombinant trypsin WO200017332-A1.
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RESULT 1165
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RESULT 1169
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                                                                                                                                                                                                                                                                                                                          (EGEL/) EGELRUD T.
(HANS/) HANSSON L.
                                                                                                                                                                                                                                                                                                                                                   Query Match
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Query Match
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(AGEE/)
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(EISE/)
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(GORM/)
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                                                              Length
                                                                                                                                                                                  Length
                                                                                                                                                                                                                              protein; 223 AA.
used in three-dimensional structure
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            546; DB 8;
No. 3.3e-34;
                                                                                                                                                                                                                                                                                                                                                                                                                                                       , DB 7;
2.5e-34;
                                                                                                                                                                                                                                                                                                                     DB 5;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; DB 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3.3e-34
                                             SEKKEI KENKYUSHO KK.
39.8%; Score 547; DB 2;
46.1%; Pred. No. 2.5e-34
                                                                                                                                                                   INST MEDICINAL MOLECULAR DESIGN INC.

39.8%; Score 547; DB 3;
Similarity 46.1%; Pred. No. 2.5e-34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 547; DB 7;
Pred. No. 2.5e-34
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 547;
Pred. No. 2
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No.
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No. 3
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Pred. No.
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Pred.
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ID 13.
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Pred.
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Pred.
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TRY1.
                                                                                                      AAY69973 standard; protein; 223 AA
TRYP protein.
WO9962004-A1.
02-DEC-1999.
(MEDI-) INST MEDICINAL MOLECULAR DE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human protease m (Protm).
US2003199010-A1.
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(UYAR-) UNIV ARKANSAS MEDICAL SCI.
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ID ADI39734 standard; protein; 244
DE Human protease M (proM) protein.
PN US6642013-B1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             233
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Best Local Similarity 46.1%;
RESULT 1175
ID AAY91925 standard; protein; 2
DE Trypsinogen analogue.
PN WO200017332-A1.
PD 30-MAR-2000.
Bovine TRYP peptide fragment JP10287696-A.
                                                                                                                                                                                                                                                                                        CHEM CORP
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39.8%;
arity 46.1%;
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39.8%;
arity 46.1%;
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45.8%;
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46.1%;
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46.1%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       39.8%;
46.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADD35545 standard; protein;
Cationic bovine trypsinogen
WO2003040093-A2.
15-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAR53637 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                          (AJIN ) AJINOMOTO CO INC. (UMEY/) UMEYAMA H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               23-OCT-2003.
(UYAR-) UNIV ARKANSAS
                                               BUNSHI
                                                                                                                                                                                                            ABG31841 standard; p
Example protein #3 u
WO200257954-A1.
25-JUL-2002.
(MITU ) MITSUBISHI C
(UMEY/) UMEYAMA H.
                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
RESULT 1172
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Best Local Similarity
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Best Local Similarity
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                                                                                                                                                                                               Local Similarity
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EP597681-A1.
18-MAY-1994.
(ELIL ) LILLY & CC
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                                             (IYAK-) IYAKU
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domain.
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26-APR-2001.
(UYAR-) UNIV ARKANSAS.
39.7%; Score 545; DB 4; Ist Local Similarity 46.5%; Pred. No. 3.6e-34;
                                                                                                                                                                                      Score 546; DB 6;
Pred. No. 3.3e-34;
               acid sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; DB 3;
4e-34;
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                                WOZUUUUZ
24-FEB-2000.
(FUJY ) FUJI YAKUHIN KOGYO KK.
39.7%; Score 546;
ery Match
ery Match
23.7%; Pred. No.
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Pred. No.
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Pred. No.
                                                                   Query Match
Best Local Similarity 45.6%; Pred. Nonessurf 1179
ID ADA05742 standard; protein; 247 AA.
DE Human NOV18f protein SEQ ID NO:102.
PN WO2003029424-A2.
PD 10-APR-2003.
PA (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                          ADN62906 standard; protein; 247 AA.
Human NOV18f.
US200403823-A1.
26-FEB-2004.
(SMIT/) SMITHSON G.
(MILL/) MILLET I.
(PEYM/) PEYMAN J A.
(KEKU/) KEKUDA R.
(JUJJ/) JU J.
(LILL/) LI L.
(GUOX/) GUO X.
 247 AA amino a
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amino
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Canine anionic trypsinogen aminc
WO200009739-A1.
24-FEB-2000.
(FUJY ) FUJI YAKUHIN KOGYO KK.
nery Match
est Local Similarity 44.2%; Pre
AAY78974 standard; protein;
Canine cationic trypsinogen
WO200009739-Al.
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ELLERMAN K.
MALYANKAR U M.
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RIEGER D K.
SPADERNA S K.
                                                                                       standa,
NOV18f pro,
JOSO29424-A2.
J-APR-2003.
(CURA-) CURAGEN COR.
Query Match
Best Local Similarity
RESULT 1180
ID ADN62906 standard
DE Human NOV18f.
PN US2004038223-7
PD 26-FEB-2004
PA (SMIT/) 5
PA (MILL/)
PA (FFY)
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SPYTEK K A.
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BERGHS C.
DIPIPPO V A.
EISEN A.
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RASTELLI L.
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1181
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Best Local Similarity
RESULT 1182
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PENA C E
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                                        Length 257;
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                                                                                                                                                                                                                                                                              259 AA.
human pathological conditions
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Pred. No. 7.2e-34;
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                                                                                                      543; DB 2;
No. 5.7e-34;
                                                                                                                                                                                                                                                                                                                      Score 539.5; DB 5 Pred. No. 1.1e-33;
                                                                                                                                                                                                                                                      Score 541; DB 7;
Pred. No. 9.2e-34
                                                                       inhibitor
                                        ß
                                        DB 3
                                                                                                          Best Local Similarity 44.5%; Score 343. RESULT 1185

ID ADC73299 standard; protein; 220 AA.
DE Stereostructure-related 2PTC_E protein.
PD 24-JUL-2003.
                                                              AAW64260 standard; protein; 246 AA.
Human amyloid beta-protein precursor
WO9824886-Al.
                                                                                                                                                                                                     ADC73301 standard; protein; 279 AA. Stereostructure-related 2PTC protein. WO2003060765-A1.
                                       Score
Pred.
                                                                                                      Score
Pred.
standard; protein; 257 AA
                                                                                                                                                                                                                                                                                                                                               259 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               223 AA
                                                                                      11-JUN-1998.
(BGHM ) BRIGHAM & WOMENS HOSPITAL
  Human HSCEE.
WO200053776-A2.
14-SEP-2000.
(MOUN ) MOUNT SINAI HOSPITAL.
nuery Match
nuery Match
                                                                                                     39.5%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      39.3%;
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Human NOVX protein to treat
WO200268649-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABB78122 standard; peptide;
                                                                                                                                                             (AJIN ) AJINOMOTO CO INC. (UMEY/) UMEYAMA H.
                                                                                                                                                                                                                                       CO INC.
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PATTURAJAN M.
SHIMKETS R A.
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ВСОЗ.
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RASTELLI L.
MILLER C E.
GERLACH V.
TAUPIER R J.
GUSEV V Y.
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SPYTEK K A.
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                                              Best Local Similarity RESULT 1184
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Best Local Similarity
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ALSOBROOK L
LEPLEY D M
RIEGER D K
BURGESS C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Σ
                                                                                                                                                                                      Similarity
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(AJIN ) AJINOMOTO
(UMEY/) UMEYAMA H.
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PADIGARU
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FURTAK
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(CURA-) CUR
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Best Local Si
RESULT 1186
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1189
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(ZERH/)
(PATT/)
(SHIM/)
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(FURT/)
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Length 261;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; DB 5;
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                                                    ; DB 5;
1.2e-33;
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1.3e-32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABB84423 standard; peptide; 249 AA.
Murine SCCE protein N-terminal fragment SEQ ID
WO200262135-A2.
15-AUG-2002.
(EGEL/) EGELRUD T.
(HANS/) HANSSON L.
                                                                                                                                                                                                              SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 2;
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6.9e-32;
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1.2e-
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Pred. No. 2.
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Pred. No. 3.
                                                                                                                                                                                                                                                                                                                  rotein; 240 AA.
trypsinogen (aTry I)
                                                  Score 538;
Pred. No. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 519;
Pred. No. 3
                                                                                                                                                                                                ABB84419 standard; peptide; 243 AA.
Bovine SCCE protein N-terminal fragment
WO200262135-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABG70276 standard; protein; 247 AA. Human Serine Protease TLSP-like protein WO200255702-A2.
18-JUL-2002.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        516;
No. (
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Pred. No.
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADL15205 standard; protein; 232 AA.
Pancreatic kallikrein #1.
CN1384199-A.
11-DEC-2002.
(REMI-) REMIN HOSPITAL SHENZHEN CITY.
puery Match
lest Local Similarity 44.5%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                          AAW64261 standard; protein; 232 AA.
Kallikrein substrate binding site.
W09824886-Al.
11-JUN-1998.
(BGHM ) BRIGHAM & WOMENS HOSPITAL.
juery Match
sest Local Similarity 43.6%; Pred. No
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         261 AA.
NO:70.
                                                                                          223 AA
Amino acid sequence of trypsin.
US2002072863-A1.
13-JUN-2002.
(FUIT ) FUJITSU LTD.
                                                                                                                                                                                                                                                                                                     ULT 1192
ABB04644 standard; protein; 24
Engraulis japonicus trypsinoge
JP2001269173-A.
02-OCT-2001.
(NISB ) JAPAN TOBACCO INC.
(NISB ) JAPAN TOBACCO inc.
38.2%;
                                                                                                                                                                                                                                                                             38.7%;
                                                                                        ABB83322 standard; protein;
Partial trypsin sequence.
US2002035434-A1.
21-MAR-2002.
(FUIT ) FUJITSU LTD.
                                                                                                                                                          39.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABR96164 standard; protein;
Human NOV13a protein SEQ ID
WO200290568-A2.
                                                   39.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 38.0%;
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40.0%;
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Luery Match
Best Local Similarity
RESULT 1192
ID ABB04644 stard
DE Engraulic
PN JP20
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L13-A.
L2001.
Lary Match
Best Local Similarity
RESULT 1193
ID AAW64261 stand
DE Kallikrein
PN W09824°
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RESULT 1191
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RESULT 1194
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RESULT 1197
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                                                                                               ABB04645 standard; protein; 241 AA.
Engraulis japonicus trypsinogen (aTry II) SEQ ID NO:2
JP2001269173-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABR41530 standard; protein; 261 AA.
Human DITHP protein modification/maintenance protein
WO200297031-A2.
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1.1e-30;
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9.8e-31;
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SINOGENOMAX CO LTD CHINESE NAT HUMAN GEI
h
Similarity 43.3%; Pred. No. 9.8e-31;
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No. 1.7e-30;
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Pred. No. 5.6e-31;
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No. 9.8e-31;
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1e-30;
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1.1e-31;
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Pred. No. 9.8e-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADQ30589 standard; protein; 247 AA.
Pancreas cancer marker - trypsin II precursor.
WO2004055519-A2.
01-JUL-2004.
(HOFF ) HOFFMANN LA ROCHE & CO AG F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 501;
Pred. No. 1
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Pred. No. 1
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Pred. No. 9
                                                             Score 514;
Pred. No. 1
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AAB03862 standard; protein; 223 AA.
Human neurosin amino acid sequence.
WO200031284-A1.
02-JUN-2000.
(FUSO ) FUSO PHARM IND LTD.
(FUSO ) FUSO PHARM IND LTD.
2uery.Match
36.4%; Score 5
                                                                                                                                                                                           Human pancreatic tumour protein #5. WO200212331-A2. 14-FEB-2002. (CORI-) CORIXA CORP.
                                                                                                                                                                                                                                                                                                   ADNO4140 standard; protein; 247 AA. Antipsoriatic protein sequence #265 WO2004028479-A2.
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Pred.
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06-MAY-2004.
(FIVE-) FIVE PRIME THERAPEUTICS IN
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14-SEP-2000.
(MOUN ) MOUNT SINAI HOSPITAL.
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1 36.5%;

Similarity 43.3%;
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43.3%;
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Human KLK-L1 protein #2.
WO200053776-A2.
AAW94493 standard; protein;
Human kallikrein.
WO9842849-A1.
                                              INCYTE PHARM INC. 37.4%;
                                                                                                                                                 JAPAN TOBACCO INC.
a
36.7%;
Similarity 45.9%;
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"xf-2003-A2.

"xr-2004.

"rIVE-) FIVE PRIME

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Best Local Similarity
RESULT 1203
ID ADQ30589 standa-
DE Pancreas car
PN WO200405-
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RESULT 1205
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RESULT 1201
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RESULT 1202
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    Best Local Similarity
RESULT 1207

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(NISB ) JAPP
                                      01-OCT-1998
(INCY-) INC
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(INCY-) INC
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Human P703P putative full length protein SEQ ID NO US200202248-A1.
21-FEB-2002.
(XUJJ/) XU J.
Human prostate-specific amino acid sequence P703P. WO200151633-A2. 19-JUL-2001. (CORI-) CORIXA COPP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; DB 4;
1.7e-30;
                                                                                                                                                                                            ; DB 4;
1.7e-30;
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1.7e-30;
                                                      DB 4;
7e-30;
                                                                                                                                            Human prostate-specific amino acid of P703P. WO200134802-A2.
                                                                                                                                                                                                                      in; 254 AA.
antigen P703P #7
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Pred. No. 1
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Pred. No.
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                                                              No.
                                                                               254 AA.
                                                                                                                                                                                             36.2%;
43.1%;
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43.1%;
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43.1%;
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43.1%;
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Prostate cancer specific an
US2002192763-A1.
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HOUGHTON R L.
Y DE BASSOLS C
                                                                             AAU69819 standard; pro
Human prostate cDNA er
WO200173032-A2.
04-OCT-2001.
(CORI-) CORIXA CORP.
                                   LORIXA CORP.

Best Local Similarity

RESULT 1208

ID AAU69819 standard; pro

DE Human prostate cDNP

PN WO200173032-PO

PD 04-OCT-
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HEPLER W T.
                                                                                                                                                                            17-MAY-2001.
(CORI-) CORIXA CORP.
Query Match
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RESULT 1210
ID ABU71710 standard; p
DE Prostate cancer spec
PN US2002192763-A1.
PD 19-DEC-2002.
PA (XUJJ/) XU J.
PA (MITC/) MITCHAM J L.
PA (HARL/) HARLOCKER S
PA (TANG/) FANGER G R.
PA (RETT/) RETTER M W.
                                                                                                                                                                                                                                                        XU J.
DILLON D C.
MITCHAM J L.
HARLOCKER S
JIANG Y.
KALOS M D.
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HARLOCKER S
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RETTER M W.
STOLK J A.
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MITCHAM J
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CARTER D
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HEPLER
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(HURA/)
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                                                                                                                                                                              ABR54391 standard, protein; 254 AA.
Prostate tumour specific protein sequence SEQ ID
WO200289747-A2.
        ; DB 5;
1.7e-30;
                                                                              ; DB 6;
1.7e-30;
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1.7e-30;
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1.7e-30;
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1.7e-30;
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1.7e-30;
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7.6e-30;
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                                                                                                                                                                                                                                                                                                                                                                                                 AAB74830 standard; protein; 1079 AA.
Prostate tumour antigen amino acid sequence WO200125272-A2.
12-APR-2001.
(CORI-) CORIXA CORP.
Query Match
36.2%; Score 498; DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; protein; 1079 AA. antigen fusion protein #2
                                                                                                                                                                                                                           Score 498;
Pred. No. 1
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Pred. No. 1
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Pred. No. 1
                                                                              498;
No. 1
                                                                                                                                                                                                                                                                                                                    Human prostate-specific polypeptide #60. US2003157089-A1. 21-AUG-2003. (CORI-) CORIXA CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                498;
No. 7
                                                                                                                                           UNIV QUEENSLAND TECHNOLOGY.

36.2%; Score 498;
Similarity 43.1%; Pred. No.
        Score 498;
Pred. No.
                                                                                                                                                                                                                                                Human prostate specific protein, 254 AA. US2003185830-A1. 02-OCT-2003. (CORI-) CORIXA CORP.
                                                      O3-OCT-2002.

(UYQU-) UNIV QUEENSLAND TECHNOLOGY.

Query Match
36.2%; Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
Pred.
                                   254 AA
                                                                                                       ABP54357 standard; protein; 254 AA. Human KLK4 protein SEQ ID NO:6. WO200277243-A1.
      Query Match
Best Local Similarity 43.1%; Pre
RESULT 1212
ID ABP54360 standard; protein; 254
DE Human KLK4 protein SEQ ID NO:13
PN WO200277243-A1.
     36.2%;
43.1%;
                                                                                                                                                                                                                           36.2%;
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43.1%;
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DILLON D C.
MITCHAM J L.
HARLOCKER S L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SKEIKY Y A W.
HEPLER W T.
HENDERSON R A.
                                                                                                                                                                                                                 CORIXA CORP.
(HEND/) HENDERSON R
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FANGER G R.
RETTER M W.
                                                                                                                                                                                                                           Query Match
Best Local Similarity
                                                                                                                                                 Query Match
Best Local Similarity
RESULT 1214
                                                                                      Best Local Similarity RESULT 1213
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Best Local Similarity
RESULT 1217
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABU71860 standard;
Prostate specific a
US2002192763-A1.
                                                                                                                                                                                                                                             JT 1215 / ADB13975 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 1218
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   JIANG Y.
KALOS M D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CARTER D.
LI S X.
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VEDVICK
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(CORI-) COR
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(DILL/)
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(SKEI/)
(HEPL/)
(HEND/)
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(RETT/)
(STOL/)
(DAYC/)
(VEDV/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (MITC/)
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(LISX/
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                                                                                       domain SeqID
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No. 1.7e-30;
                                              DB 4;
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e of trypsinogen-0aa-sp55
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No. 1.7
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No. 2.1
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                                            Score 498;
Pred. No. 7
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human NOVX
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Pred.
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Pred.
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11-MAR-2004.
(COMP-) COMPOUND THERAPEUTICS INC. (AFEY/) AFEYAN N B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      THERAPEUTICS INC
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                                            36.2%;
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                                                                          ADI17268 standard; protein;
Polypeptide homologous to a
WO200268649-A2.
06-SEP-2002.
(CURA-) CURAGEN CORP.
                                                                                                                                                              ADI17276 standard; protein;
Polypeptide homologous to a
WO200268649-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            36.2%;
                                                                             protein;
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) MCNEILL P D.
) HOUGHTON R L.
) Y DE BASSOLS C V.
) FOY T M.
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Trypsin-like serine p
US2003170630-A1.
11-SEP-2003.
(ALSO/) ALSOBROOK J P
(TCHE/) TCHERNEV V T.
(LIUX/) LIU X.
(SPYT/) SPYTEK K A.
(ZERH/) ZERHUSEN B D.
                                                                                                                                                                                                                                                                                                                                                 PATTURAJAN M.
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₹.
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Query Match
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A
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RESULT 1221
ID ADJ83075 standard; p
DE Trypsin-like serine
PN US2003170630-A1.
PD 11-SEP-2003.
PA (ALSO/) ALSOBROOK J
PA (TCHE/) TCHERNEV V T
                                                                                                                                                                                                                                                                                                                                                                                            Σ
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WO2004019878-A2.
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FERNANDES E RIEGER D K.
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SMITHSON G.
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Best Local Similarity
RESULT 1220
                                                      Local Similarity
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SHIMKETS
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SZEKERES
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(COMP-) COMPOUND
(AFEY/) AFEYAN N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GUNTHER
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SCIORE
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485
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAW60592 standard; protein; 248 AA.
Human prostate-specific kallikrein (HPSK) protein.
WO9820117-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity 43.1%; Pred. No. 2.1e-30; RESULT 1230
ID AAU74932 standard; protein; 254 AA.
DE Amino acid sequence of prostase protein fragment PN WO200200867-A1.
                                                                                                  8;
                                                                                                                                                                                                                  Score 497.5; DB 8; Pred. No. 3.6e-30;
                                                                                                  497.5; DB 8
No. 3.5e-30;
3.5e-30;
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2.1e-30;
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                                                                                                                                                                                                                                                                                                                    36.2%; Score 497; DB 3 43.1%; Pred. No. 2e-30;
                                                                                                                                      ADL27348 standard; peptide; 485 AA.
Amino acid sequence of trypsinogen-20aa-sp55
WO2004019878-A2.
11-MAR-2004.
           JT 1224
ADL27347 standard; peptide; 464 AA.
Amino acid sequence of trypsinogen-3aa-sp55
WO2004019878-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #3
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Pred. No. 2
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Pred. No. 2
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Pred. No. 2
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36.2%; Score 497;
Similarity 43.1%; Pred. No.
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAU74901 standard; protein; 254 AA.
Protein sequence of prostase homologue
WO200200708-A2.
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(SMIK ) SMITHKLINE BEECHAM BIOLOGICALS.
Bry Match
14 Toral Similarity 43.1%; Pred. No.
No.
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(SMIK ) SMITHKLINE BEECHAM BIOLOGICALS (CORI-) CORIXA CORP.
                                                                                                  Score
Pred.
Pred.
                                                                                                                                                                                                                                                       249 AA
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                                                                                                                                                                                                                                                                                                                                                         AAB21320 standard; protein; 254 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                             254 AA
                                                            11-MAR-2004.
(COMP-) COMPOUND THERAPEUTICS INC
(AFEY/) AFEYAN N B.
                                                                                                                                                                                        (COMP-) COMPOUND THERAPEUTICS INC (AFEY/) AFEYAN N B.
                                                                                                                                                                                                                                                                                                                                                                                                         MOUNT SINAI HOSPITAL.

36.2%;
Similarity 43.1%;
                                                                                                                                                                                                                                                                                                        (MOUN ) MOUNT SINAI HOSPITAL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      36.2%;
43.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity 43.1%;
RESULT 1228
ID AAY72525 standard; protein;
DE Human prostase antigen #3.
PN WO200104143-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAY72524 standard; protein;
Human prostase antigen #2.
WO200104143-A2.
                                                                                                                                                                                                                 36.2%;
                                                                                                                                                                                                                                                       AAB21307 standard; protein;
                                                                                                  36.2%;
42.7%;
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n
Similarity 43.4%;
42.78;
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Best Local Similarity
RESULT 1227
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Best Local Similarity
Similarity
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WO200053776-A2.
14-SEP-2000.
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WO200053776-A2.
14-SEP-2000.
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(INCY-) INC
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Best Local
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Length 248;
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Pancreas cancer marker - trypsin I precursor.
WO2004055519-A2.
01-JUL-2004.
(HOFF ) HOFFMANN LA ROCHE & CO AG F.
(SINO-) SINOGENOMAX CO LTD CHINESE NAT HUMAN GEN.
36.0%; Score 494.5; DB 8;
Local Similarity 41.9%; Pred. No. 3.1e-30;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5; DB 3;
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3.1e-30;
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                                                                                                                                                                                               AAU74931 standard; protein; 248 AA.
Amino acid sequence of prostase protein fragment
WO200200867-A1.
03-JAN-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 494.5; DB 8; Pred. No. 3.1e-30;
                                                  4;
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                                                 Score 496.5; DB 4 Pred. No. 2.2e-30;
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3e-30;
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Pred. No. 3.
                                                                                                                                            (SMIK) SMITHKLINE BEECHAM BIOLOGICALS.
ry Match
t Local Similarity 43.4%; Pred. No. 2.
                                                                                                      #2
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No. 3
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Pred. No. 3
                                                                                                                                                                                                                                                                                                                                                                                                           495;
No.
                                                                                        protein; 248 AA.
prostase homologue
             (SMIK) SMITHKLINE BEECHAM BIOLOGICALS (CORI-) CORIXA CORP. 36.1%: Scote 406
                                                                                                                                                                                                                                                                                 Best Local Similarity 43.4%; Pred. No RESULT 1235
ID ABG76997 standard; protein; 262 AA.
DE Human kallikrein protein variant #1.
PN WO200261131-A2.
PD 08-AUG-2002.
PA (BRIM ) BRISTOL-MYERS SQUIBB CO.
PA (TSUC/) TSUCHIHASHI Z.
PA (HUIL/) HUI L.
                                                                                                                                                                                                                                                                                                                                                                                                             Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
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NO:146.
                                                                                                                                                                                                                                                                                                                                                                                                                                           Human trypsinogen partial protein. WO2004078777-A2.
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NO:150
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WO200053776-A2.
14-SEP-2000.
(MOUN ) MOUNT SINAI HOSPITAL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               36.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABR54241 standard; protein;
Human NOV35c protein SEQ ID
WO2003023001-A2.
20-MAR-2003.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                            36.0%;
40.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       36.0%;
41.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABR54239 standard; protein;
Human NOV35a protein SEQ ID
WO2003023001-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       36.0%;
                                                 36.1%;
43.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              36.0%;
41.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             16-SEP-2004.
(BIOR-) BIOREXIS PHARM CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     41.98;
                                                                                       AAU74770 standard; protein;
Protein sequence of prostas
WO200200708-A2.
03-JAN-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CURAGEN CORP.
                                                                                                                                       Lest Local Similarity
RESULT 1234
ID AAU74931 standard; pr
DE Amino acid sequence or
PN WO200200867-A1
PD 03-JAN-200
SMITHKLINE

JAI-) CORIXA CORP

Juery Match
Best Local Similarity
RESULT 1233
ID AAU74770 star?
DE Protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LUR-) BIOREXIS PH
LURY MATCH
Best Local Similarity
RESULT 1237
ID AAB21321 star-
DE Human tr-
PN WO2-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity
RESULT 1238
ID ABR54239 standard; p
DE Human NOV35a protein
PN WO2003023001-A2.
PD 20-MAR-2003.
PA (CURA-) CURAGEN CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 1240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
RESULT 1239
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Best Local Similarity
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ID ADR9067
DE Human t
PN WO20040
PD 16-SEP-PA (BIOR-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 1241
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DE
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254;
                                                                                            Length 254;
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of P703P
                               Length
                              ; DB 4;
3.5e-30;
                                                                                                        Human prostate-specific mature protein of P703P, WO200134802-A2.
                                                                                                                                                                                                                                                                                                                                                                                       ; DB 4;
3.5e-30;
                                                                                                                                                       494; DB 4;
No. 3.5e-30;
amino acid mature form
                                                                                           3.5e-30;
                                                                                                                               Query Match
Best Local Similarity 42.7%; Score 494;
RESULT 1244
ID ABU71709 standard; protein; 254 AA.
DE Prostate cancer associated protein #12.
PN US2002192763-A1.
PD 19-DEC-2002.
PA (XUJJ/) XU T
                                                                                                                                                                                                                                                                                                                                                                                                             protein; 254 AA.
protein SEQ ID NO 523
                                                                                                                                                                                                                                                                                                                                                                                      Score 494;
Pred. No. 3
                              494;
No.
                                                                                           Score 494;
Pred. No.
                                                            protein #26
                              Score
Pred.
                                                    254 AA
                                                  Human prostate cDNA encoded WO200173032-A2.
                                                                                          36.0%;
                                                                                                                                                                                                                                                                                                                                                                                      36.0%;
                              36.0%;
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>
Human prostate-specific WO200151633-A2.
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HEPLER W T.
HENDERSON R A.
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HEPLER W T.
HENDERSON R A.
                                                                                                                                                                                                                                                                                                                                                  MCNEILL P D.
HOUGHTON R L.
Y DE BASSOLS (
                                                                                                                                                                                                              XU J.
DILLON D C.
MITCHAM J L.
HARLOCKER S ]
                                                                           04-OCT-2001.
(CORI-) CORIXA CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            MITCHAM J L.
HARLOCKER S
              19-JUL-2001.
(CORI-) CORIXA CORP
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                                                                                                                                                                                                                                                                                                                                                                                                                                             XU J.
DILLON D C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FANGER G R. RETTER M W.
                                                                                                                                                                                                                                            JIANG Y.
KALOS M D.
                                                                                                                                                                                                                                                                                                                                                                                                              ABB95278 standard;
Human P703P mature
                                   Best Local Similarity RESULT 1242
                                                                                          Query Match
Best Local Similarity
RESULT 1243
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VEDVICK T
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KALOS M
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21-FEB-2002.
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ABB95278
                               Query Match
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(MCNE/)
(HOUG/)
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(SKEI/)
(HEPL/)
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(DILL/)
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(HARL/)
(JIAN/)
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(FANG/)
(RETT/)
(STOL/)
                                                                                                                                                                                                                                                                                          (VEDV/)
(CART/)
(LISX/)
(WANG/)
(SKEI/)
(HEPL/)
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(FANG/)
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(VEDV/
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  Length 254;
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                                                      523
Query Match
Best Local Similarity 42.7%; Pred. No. 3.5e-30;
RESULT 1246
ID ABR54390 standard; protein; 254 AA.
DE Prostate tumour specific protein sequence SEQ ID PN WO200289747-A2.
PD 14-NOV-2002.
PD 14-NOV-2002.
PA (CORI-) CORIXA CORP.
                                                                                                                                                                                                                                                                                                                                                                                                               ; DB 3;
3.6e-30;
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3.6e-30;
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Pred. No. 3.6e-30;
                                                                                                     ; DB 6;
3.5e-30;
                                                                                                                                                                                                                                                                                                           ; DB 7;
3.5e-30;
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3.6e-30;
                                                                                                                                                                                                        494; DB 7;
No. 3.5e-30
                                                                                                                                        ADB13973 standard; protein; 254 AA.

Human mature prostate specific protein P703P.

US2003185830-A1.

02-OCT-2003.

(CORI-) CORIXA CORP.

Query Match

Best Local Similarity 42.7%; Pred. No. 3.5e-2
                                                                                                    494;
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 494;
Pred. No. 3
                                                                                                                                                                                                                                                                                                         494;
No.
                                                                                                                                                                                                                               RESULT 1248

ID ADG26389 standard; protein; 254 AA.

DE Human prostate-specific polypeptide #59

PN US2003157089-A1.

PD 21-AUG-2003.

PA (CORI-) CORIXA CORP.
                                                                                                                                                                                                                                                                                                                                                                                                               Score 494;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 494;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1; protein; 262 AA.
infarction-associated
                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity 40.4%; Pred. Name Result 1250

ID ABG76996 standard; protein; 262 AA.

DE Human kallikrein protein.

PN WO200261131-A2.

PD 08-AUG-2002.

PA (BRIM) BRISTOL-MYERS SQUIBB CO.

PA (TSUC/) TSUCHIHASHI Z.

PA (HUIL/) HUI L.
                                                                                                      Score Pred.
                                                                                                                                                                                                                                                                                                          Score Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADL64969 standard; protein; 262 AA.
Human kallikrein protein (KLK1).
US2004033582-A1.
                                                                                                                                                                                                                                                                                                                                                 262 AA
                                                                                                                                                                                                                                                                                                                                                                                                HOSPITAL.
36.0%; E
                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 42.7%;
RESULT 1249
ID AAB21319 standard; protein; 20
DE Human KLK2.
PN WO200053776-A2.
PD 14-SEP-2000.
PA (MOUN ) MOUNT STNAT UNCERTAINS.
                                                                                                    36.0%;
42.7%;
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Human myocardial infax
WO2004058052-A2.
15-JUL-2004.
(APPL-) APPLERA CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1
                                                                                                             Best Local Similarity
RESULT 1247
ID ADB13973 standard; p
DE Human mature prostat
PN US2003185830-A1.
PD 02-OCT-2003.
PA (CORI-) CORIXA CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RAMANATHAN C
SWANSON B.
TSUCHIHASHI
ZERBA K.
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R
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PERRONE M.
POWELL J R
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                    Query Match
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RESULT 1253
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(PERR/)
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4.3e-30

Pred. No.

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241
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3.6e-30;
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4.3e-30;
                                                                                                                                                           494; DB 8;
No. 3.6e-30;
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4.3e-30;
   3.6e-30;
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4.1e-30;
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                                                           l, protein; 262 AA.
disease-related protein
                                                                                                                                                                                                                                                                                                                493.5
No. 3
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Score 494;
Pred. No. 3
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No. 4
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No. 4
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No.
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Human trypsinogen protein SEQ ID NO:341
WO2003023001-A2.
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No.
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Human prostate-associated kallikrein
W09832865-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REMIN HOSPITAL SHENZHEN CITY 35.9%; Score 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADN04297 standard; protein; 247 AA. Antipsoriatic protein sequence #343 WO2004028479-A2.
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Pred.
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Pred.
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1 r
                                                                                                                                                                                                                                                                                     Query Match

Query Match

Best Local Similarity 42.6%;

RESULT 1256

ID AAB21316 standard; protein; 241

DE Human trypsinogen.

PN WO200053776-A2.

PD 14-SEP-2000.

PD 14-SEP-2000.

PA (MOUN ) MOUNT SINAI HOSPITAL.

"Match 35.9%; Sc
                                                                                                                                                                                                                                                                                                                                                                           241
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Query Match
Best Local Similarity 42.1%;
RESULT 1258
ID AAB21308 standard; protein; 2:
DE Human EMSP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOUNT SINAI HOSPITAL.
n 35.9%;
Similarity 42.8%;
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2004.
GENENTECH INC.
35.9%;
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36.0%;
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1 35.9%;
Similarity 40.4%;
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Pancreatic kallikrein #1.
CN1384199-A.
11-DEC-2002.
(REMI-) REMIN HOSPITAL SHENZ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein;
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Human glandular kallikrein
WO200281646-A2.
17-OCT-2002.
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                                                                                                                                                                                                                                                                         20-MAR-2003.
(CURA-) CURAGEN CORP
                                                                                                                                     (APPL-) APPLERA CORP
Query Match
Best Local Similarity
RESULT 1254
ID ADS34891 standard;
                                                                                                                                                     Query Match
Best Local Similarity
RESULT 1255
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1259
                   Local Similarity
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                                                                             Human autoimmune WO2004083403-A2.
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WO200053776-A2
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(MOUN ) MOUN
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(MOUN ) MOUN
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NO:745
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                                                               NO:105
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ID AAB54293 standard; protein; 267 AA.

DE Human pancreatic cancer antigen protein sequence PN WO200055320-A1.

PD 21-SEP-2000.

PA (HUMA-) HUMAN GENOME SCI INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; DB 1;
5.2e-30;
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5.3e-30;
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5.2e-30;
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Pred. No. 6.2e-30;
                                                                                                                                                                                                                                                                                                                                                                                                                        DB 3;
5e-30;
                                                                                                                                                                                                                  492; DB 4;
No. 4.4e-30
                                                                                                               Score 493; DB 8;
Pred. No. 4.3e-30
                                                                                                                                                                 domain
                                                              SEO
                                                                                                                                                                                                                                                                                                                                                                                                                                                              262 AA.
lambda HK65a
                                                                                                                                                 AAB98503 standard, protein; 225 AA.
Human trypsin serine protease catalytic
WO200129056-A1.
26-APR-2001.
A (UYAR-) UNIV ARKANSAS.
Query Match
Best Local Similarity 43.7%; Pred. No. 4
                                                                                                                                                                                                                                                                                                                                                                                                                        Score 492;
Pred. No. 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 492;
Pred. No. 5
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polymorphic sequence
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 492;
Pred. No.
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Human TRYI trypsinogen variant protein
W09910503-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 1268

ID ABG76998 standard; protein; 262 AA.

DE Human kallikrein protein variant #2.

PN WO200261131-A2.

PD 08-AUG-2002.

PA (BRIM) BRISTOL-MYERS SQUIBB CO.

PA (TSUC/) TSUCHIHASHI Z.

PA (HUIL/) HUI L.
                                                              1 protein
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NO:104.
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                                                 263 AA
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                                                                                                                                                                                                                                                                                                                                                                Human KLK1.
WO200053776-A2.
14-SEP-2000.
(MOUN ) MOUNT SINAI HOSPITAL.
35.8%; Sc
est Local Similarity 40.4%,
ULT 1263
ADM72846 standard; protein; 26:
Human glandular kallikrein 1 p
WO2004022709-A2.
18-MAR-2004.
(MANN-) MANNKIND CORP.
35.9%;
                                                                                                                                                                                                                                                                                                           GMBH
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(HUMA-) HUMAN GENOME SCI INC.
Bry Match 35.8%;
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by clone
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RESULT 1266
ID AAB21315 standard; protein;
DE Human KLK1.
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Human NOV18g protein SEQ ID
WO2003029424-A2.
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(HOFF ) ROCHE DIAGNOSTICS
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...satic
...ss20-A1.
...sep-2000.
...duMA-) HUMAN GENOM
...uery Match
Best Local Similarity
RESULT 1270
ID ABG77002 standar
DE Human kallikr
PN WO2002611?
PD 08-AUG-?
PA (BRT'
PA
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Best Local Similarity
RESULT 1267
ID AAP95121 standard; p
DE Kallikrein encoded b
PN EP297913-A.
PD 04-JAN-1989.
PA (AMGE-) AMGEN.
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Best Local Similarity
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Best Local Similarity
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06-MAY-2004
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ID ABB9533
DE Human P
PN US20020
PD 21-FEB-
PA (XUJJ/)
PA (DILL/)
PA (MITC/)
PA (HARL/)
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              ; DB 6;
6.3e-30;
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6.3e-30;
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9.9e-30;
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Pred. No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      488.5
No. 8
              Score 490;
Pred. No.
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Pred. No.
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Pred. No.
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Query Match
Best Local Similarity 43.0%; Pred. No.
RESULT 1274
ID AAY25510 standard; protein; 231 AA.
DE Human prostate serine protease protein.
PN EP936270-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Antipsoriatic protein; 247 AA. WO2004028479-A2. 08-APR-2004.
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Pred.
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                                                                                                                                                                                                                                                                                                                                                                  234 AA
                                     224 AA
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Human serine protease, PROST 07
WO200125446-A1.
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-2004.
) GENENTECH INC.
35.5%;
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45.3%;
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              35.7%;
45.3%;
                                  ADN62908 standard; protein;
Human NOV18g.
US2004038223-A1.
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ZERHUSEN B D.
ANDERSON D W.
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       CURAGEN CORP
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DIPIPPO V A.
EISEN A.
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JI W.
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PEYMAN J A.
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Best Local Similarity
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MALYANKAR
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RIEGER D
                                                           26-FEB-2004.
(SMIT/) SMITHSON
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10-APR-2003
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(PATT/
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Length 449;
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          Length 247;
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                                                                                                                        Human prostate serum antigen/P703P fusion protein. WO200173032-A2.
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           ; DB 8;
9.9e-30;
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Human P703P/PSA fusion protein SEQ ID NO
US2002022248-A1.
21-FEB-2002.
                                            449 AA. acid sequence
FIVE PRIME THERAPEUTICS INC.

35.5%; Score 488;
Similarity 42.3%; Pred. No.
                                                                                                            No.
                                                                                                                                                                                                                          449 AA
PA (FIVE-) FIVE PRIME THERAPEUTI
Query Match
Best Local Similarity 42.3%;
RESULT 1277: '
ID AAM01227 standard; protein; 4
DE P703P and PSA fusion amino ac
PN WO200151633-A2.
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44.1%;
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44.1%;
                                                                                                                                                                                                                         protein;
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DILLON D C.
MITCHAM J L.
HARLOCKER S L.
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DILLON D C.
MITCHAM J L.
HARLOCKER S L.
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HENDERSON R A
                                                                                                                            Jostate se.
1/3032-A2.
OCT-2001.
(CORI-) CORIXA CORP
Query Match
Best Local Similarity
RESULT 1279
ID ABU71763 standar?
DE Prostate cancr
PN US200219276
PD 19-DEC-7
PA (XUJ-7
PA (XUJ-7
PA PA
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HEPLER W T.
                                                                                                          Best Local Similarity
RESULT 1278
ID AAU69872 standard; p
DE Human prostate serum
PN WO200173032-A2.
PD 04-OCT-2001.
                                                                                                                                                                               CORIXA CORP.
                                                                                      CORIXA CORP
                                                                                                                                                                                                                                                                                                                                                          STOLK J A.
DAY C H.
VEDVICK T S
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HOUGHTON R
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RETTER
STOLK J
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(CORI-) COR
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Best Local
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ID ADL1520
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                                                                                                                                                      Length
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                                                                            protein
                                                                                                                                                                              #3
                                                             Human prostate specific protein; 449 AA.
US2003185830-A1.
02-OCT-2003.
(CORI-) CORIXA COPP.
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antigen fusion protein
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Pred. No. 2.6e-29;
                           SEQ
                                                                                                     Score 487.5; DB Pred. No. 2e-29;
                                                   487.5; DB
No. 2e-29;
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No. 2e-29;
DE Prostate tumour specific protein sequence SE PD 14-NOV-2002.

PA (CORI-) CORIXA CORP.

Query Match

Best Inc.
                                                                                                                  Human prostate-specific polypeptide #113 US2003157089-A1.
                                                                                                                                                                                                                                                                                                                                                                Prostate cancer associated protein #72
US2002192763-A1.
19-DEC-2002.
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Pred.
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                                                                                                     35.5%;
44.1%;
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US2002192763-A1.
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Y DE BASSOLS
FOY T M.
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MITCHAM J L.
HARLOCKER S L
JIANG Y.
KALOS M D.
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(CORI-) CORIXA CORP.
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HARLOCKER S
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RESULT 1283
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RESULT 1285
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Best Local Similarity
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RETTER M W
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DILLON D
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(XUJJ/) XU J
(DILL/) DILL
(MITC/) MITC
(HARL/) HARL
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(KALO/
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Length 585;
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Prostate cancer specific antigen fusion protein #4
US2002192763-A1.
19-DEC-2002.
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Pred. No. 2.6e-29;
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                                                                                              Score 487.5; DB 4 Pred. No. 2.6e-29;
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1.1e-29;
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                                                                                                                     Prostate tumour-related protein; 585 AA. WO200289747-A2. 14-NOV-2002. (CORI-) CORIXA CORP.
                                                                                                                                                                                                                                                                                                                                           Human prostate-specific polypeptide #249. US2003157089-A1. 21-AUG-2003. (CORI-) CORIXA CODD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 487;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human trypsin serine protease protein US5948892-A.
                                                                                                                                                                                                                                           ADB14470 standard; protein; 585 AA. FOPP/hPAP fusion protein, FOPP3. US2003185830-A1. 02-OCT-2003. (CORI-) CORIXA CORP.
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44.1%;
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Pancreatic kallikrein #3.
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Y DE BASSOLS C V.
FOY T M.
                                      MCNEILL P D.
HOUGHTON R L.
Y DE BASSOLS C V
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HEPLER W T.
HENDERSON R A
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RESULT 1288
ID ADG26993 standard; p:
DE Human prostate-speci
PN US2003157089-A1.
PD 21-AUG-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
RESULT 1289
ID ABU71890 standard; p
DE Prostate cancer spec
PN US2002192763-A1.
PD 19-DEC-2002.
PA (XUJJ/) XU J.
PA (DILL/) DILLON D C.
PA (MITC/) MITCHAM J L.
PA (HARL/) HARLOCKER S
PA (XIAN/) JIANG Y.
PA (KALO/) KALOS M D.
                                                                                                                                                                                                 Query Match
Best Local Similarity
RESULT 1287
ID ADB14470 standard; p
DE FOPP/hPAP fusion pro
PN US2003185830-A1.
PD 02-OCT-2003.
PA (CORI-) CORIXA CORP.
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ID AAY31160 standard; F
DE Human trypsin serine
PN US5948892-A.
PD 07-SEP-1999.
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HARLOCKER S
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RETTER M W.
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DAY C H.
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RESULT 1286
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(AMGE-) AMG
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WO200200708-A2
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                             Length
                                                                                                                         Human diagnostic and therapeutic pprotein SEQ ID NO:3499 WO2004023973-A2.
                                              RESULT 1292
ID ABM83249 standard; protein; 261 AA.
DE Human diagnostic and therapeutic pprotein SEQ ID NO:3498
PN WO2004023973-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        activity
                                                                                                       Length
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5.8e-29;
                           7;
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No. 2.5e-29;
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Human kallikrein-like substance has hypotensive
JP62126980-A.
                                                                                                                                                                                  DB 8;
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3.6e-29;
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2.1e-29;
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                  SHENZHEN CITY.
5.3%; Score 484.5; DB '
0.2%; Pred. No. 1.9e-29
                                                                                                                                                                                                                                                            Score 483.5;
Pred. No. 2.
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No. 5.
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Pred. No. 5
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                                                                                                                                                                                                                                                                                                                                      Score 483;
Pred. No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 481;
Pred. No. 3
                                                                                                       484;
No.
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Pred. No.
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Protein sequence of prostase homologue
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                                                                                                                                                                                                                                                                                      ADL15206 standard; protein; 260 AA.
Pancreatic kallikrein #2.
CN1384199-A.
11-DEC-2002.
(REMI-) REMIN HOSPITAL SHENZHEN CITY
                                                                                                       Score
Pred.
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Pred.
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Pred.
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                                                                                                                                                                                                              240 AA
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                           35.3%;
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44.3%;
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43.8%;
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Human KLK-L1 protein #1.
WO200053776-A2.
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                                                                                                       35.2%;
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43.5%;
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                                                                                                                                                                                                             protein,
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Trypsinogen-like protein.
JP10099080-A.
21-APR-1998.
(SHIS ) SHISEIDO CO LTD.
                   REMIN HOSPITAL
                                                                                                                                                              25-MAR-2004.
(INCY-) INCYTE CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       09-JUN-1987.
(NAKA/) NAKANISHI S
                                                                                   25-MAR-2004.
(INCY-) INCYTE CORP
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                                                                                                              Best Local Similarity RESULT 1293
                                                                                                                                                                                          Local Similarity
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Rest Local Similarity
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CN1384199-A.
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(MOUN ) MOUN
         11-DEC-2002
(REMI-) REM
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RESULT 1294
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226;
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9 of wild-type NS1-P703P-His fusion protein
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                                Length
                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                     protein; 312 AA.
e of wild-type NS1-p703-His fusion
                                                                                         #4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABU71886 standard; protein; 344 AA.
Human prostate specific antigen (PSA) epitope #26
US2002192763-A1.
19-DEC-2002.
03-JAN-2002.
(SMİK') SMITHKLINE BEECHAM BIOLOGICALS.
21 Match 34.8%; Score 477.5; DB 5;
                                                                        protein; 226 AA. s of prostase protein fragment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BEECHAM BIOLOGICALS.
34.8%; Score 477.5; DB 5;
43.8%; Pred. No. 8.1e-29;
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                                                                                                                               SMITHKLINE BEECHAM BIOLOGICALS.

34.8%; Score 477.5; DB 5;
Similarity 43.8%; Pred. No. 5.8e-29;
                                                                                                                                                                                                                                                                            477.5; DB 4;
No. 8.1e-29;
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(SMIK) SMITHKLINE BEECHAM BIOLOGICALS.
34.8%; Score 477.5; DB 5
2ry Match
24.8%; Score 477.5; DB 5
2.7 ^2 Similarity 43.8%; Pred. No. 8.1e-29;
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(SMIK ) SMITHKLINE BEECHAM BIOLOGICALS.
(CORI-) CORIXA CORP.
                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                         312 AA
                                                                                                                                                                                       AAY72522 standard; protein; 3
NS1-P703P-His fusion protein.
WO200104143-A2.
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43.8%;
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RESULT 1304
ID AAU74929 standard; pr
DE Amino acid sequence o
PN WO200200867-A1.
PD 03-JAN-2002.
PA (SMIK ) SMITHKLINE BE
                                                                         sequent

J867-A1.

AN-2002.

SMIK ) SMITHKLINE LOCAL SMITHKLINE LOCAL SMITHKLINE LOCAL SIMILARITY

RESULT 1302

ID AAY72522 Standar

DE NS1-P703P-H3

PN WO2001041

PD 18-JAN

PA (S')

PA
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Best Local Similarity
RESULT 1303
ID AAU74768 standard; r.
DE Amino acid ser
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HEPLER W T.
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2002.

Local SMITHKLINE.

Best Local Similarity
RESULT 1305
ID ABU71886 star?
DE Human property
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ID AAU74933 standard; IDE Amino acid sequence PN WO200200867-A1.
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DILLON D C.
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Pred. No.

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Prostate tumour antigen predicted amino acid sequence
WO200125272-A2.
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Human immunogenic prostate tumour protein sequence WO200004149-A2.
27-JAN-2000.
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No. 1.4e-28;
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1.6e-28;
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No. 1.4e-28;
  475.5; DB 8
No. 8.8e-29;
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                                                                       475.5; DB 8
No. 8.8e-29;
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No. 1.4e-28;
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                     Human diagnostic and therapeutic pprotein WO2004023973-A2.
                                                                                              ABM82603 standard; protein; 239 AA.
Human diagnostic and therapeutic pprotein
WO2004023973-A2.
25-MAR-2004.
(INCY-) INCYTE CORP.
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Human P703P inventive antigen SEQ ID NO:
WO200125273-A2.
12-APR-2001.
(CORI-) CORIXA CORP.
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Pred. No. 1
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                                                                                                                                                                                                                                                                                                                                           Best Local Similarity 43.8%;
RESULT 1312
ID AAU69768 standard; protein; 2;
DE Human prostate cDNA encoded pr
PN WO200173032-A2.
PD 04-OCT-2001
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40.1%;
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June 104.

Local FIVE PRIME

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RESULT 1310

ID AAY82008 stand

DE Human immur

PN WO2000

PD 27
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                                                     25-MAR-2004.
(INCY-) INCYTE CORP.
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           Similarity
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Pred. No. 1.4e-28;
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No. 1.4e-28;
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.4e-28;
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                                                                                                                                                                                                                                                                          Score 472.5;
Pred. No. 1.
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Pred. No. 1
                          Prostate cancer specific antigen P703P
US2002192763-A1.
19-DEC-2002.
(XUJJ/) XU J.
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Human prostate-specific polypeptide #9
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Pred.
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ID NO 32
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43.8%;
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Human P703PDE5 protein SEQ 1
US2002022248-A1.
                   protein;
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FOY T M
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HEPLER W T.
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RESULT 1320
ID ADG26193 standard; p
DE Human prostate-energi
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HARLOCKER S
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Best Local Similarity
RESULT 1316
ID ABU71659 standard;
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DILLON D C
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ID ADB13777 standard;
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US2003185830-A1.
02-OCT-2003.
(CORI-) CORIXA CO
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MITCHAM
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ID ABR5434
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                          472.5; DB 7;
No. 1.4e-28;
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No. 1.6e-28;
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No. 1.7e-28;
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2e-28;
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Prostate specific Antigen (PSA) polypeptide.
WO200145728-A2.
28-JUN-2001.
                                                                                                                               ADI37156 standard; protein; 262 AA.
Human glandular kallikrein (hHk2) protein
US2003199010-A1.
23-OCT-2003.
(UYAR-) UNIV ARKANSAS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 470.5;
Pred. No. 2.
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No. 2.
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No. 2
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1 34.2%; Score 470.5
Similarity 40.4%; Pred. No. 2
                                              LT 1321
ADI39732 standard; protein; 262 AA.
Human glandular kallikrein (Hk2) protein
US6642013-B1.
                                                                                                                                                                                                                                                                                                                                     471;
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAY77842 standard; protein; 261 AA.
Human prostate-specific antigen (PSA)
WO9960984-A2.
                                                                                                                                                                                                            274 AA.
NO:68.
                                                                                                                                                                                                                                                                                                                                     Score
Pred.
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Pred.
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Pred.
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Pred.
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Pred.
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Pred.
                            Score
Pred.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAW13649 standard; protein; 261 AA Human prostatic specific antigen. W09711172-A1.
                                                                                                                                                                                                                                                                                                                                                                  255 AA
                                                                                  04-NOV-2003.
(UYAR-) UNIV ARKANSAS MEDICAL SCI
                                                                                                                                                                                                                                                                                                 gene.
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Human prostate-specific antigen.
WO9961068-A1.
                                                                                                                                                                                                                                                                                       245
                                                                                                                                                                                                                                                                                                                                                                         Human PSA.
WO200053776-A2.
14-SEP-2000.
(MOUN ) MOUNT SINAI HOSPITAL.
                                                                                                     34.4%;
38.9%;
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                           34.4%;
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                                                                                                                                                                                                           ABR96163 standard; protein;
Human NOV12a protein SEQ ID
WO200290568-A2.
                                                                                                                                                                                                                                                                                                                                     34.3%;
                                                                                                                                                                                                                                                                                      AAP92314 standard; protein;
Human recombiant kallikrein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   UNIV PENNSYLVANIA.

34.2%;
Similarity 40.4%;
                                                                                                                                                                                                                                                                                                                                                                 AAB21313 standard; protein;
                                                                                                                                                                                                                                       14-NOV-2002. (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (EPIM-) EPIMMUNE INC.
                 CORIXA CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
                                                                                                              Local Similarity 1322
                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
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RESULT 1326
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                                   Local Similarity
                                                                                                                                                                                        Similarity
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US2003157089-A1
                                                                                                                                                                                                                                                                                                                            AMGEN
        21-AUG-2003.
(CORI-) CORI
ery Match
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(UYPE-) UNI
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ID AAB2131:
DE Human P:
PN WO20005:
PD 14-SEP-
PA (MOUN )
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261;
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          Length
                                                                                                                                                                                                                                             327
                                                                                                                            Prostate tumour antigen amino acid sequence for PSA WO200125272-A2.
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Pred. No. 2.3e-28;
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                                                                                                    Score 470.5; DB 3;
Pred. No. 2.3e-28;
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          ; DB 3;
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                                                                                                                                                                                               Score 470.5; DB 4 Pred. No. 2.3e-28;
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No. 2.3e-28;
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                                                                                                                                                                                                                                                                                                                                         329
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RESULT 1333
ID AAG62146 standard; protein; 261 AA.
DE Human prostate specific antigen SEQ ID NO:
PN WO200125273-A2.
PD 12-APR-2001.
PA (CORI-) CORIXA CORP.
          Score 470.5;
Pred. No. 2.
                                                                                                                                                                                                                     Human prostate specific membrane antigen WO200125273-A2.
12-APR-2001.
(CORI-) CORIXA CORP.
                                                                                                                                                                                                                                                                                                                                                                                      Score
Pred.
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SEQ ID NO:78.
                                            261 AA
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Human prostatic specific membrane
US2002192763-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               17-OCT-2002.
(CTLI-) CTL IMMUNOTHERAPIES CORP.
84.2%; Scorery Match
                                                                                        MOUNT SINAI HOSPITAL.

34.2%;
Similarity 40.4%;
         34.28;
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                                           AAB21317 standard; protein;
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HOUGHTON R L.
Y DE BASSOLS C V.
FOY T M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SKEIKY Y A W.
HEPLER W T.
HENDERSON R A.
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MITCHAM J L.
HARLOCKER S I
ENTREMED INC
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        Query Match
Best Local Similarity
RESULT 1330
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Best Local Similarity
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Best Local Similarity
RESULT 1334
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ID ABP74202 standard;
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RETTER M W
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WO200281646-A2.
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ID AAB74821 standard
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VEDVICK T
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                                                       Human PSA.
WO200053776-A2.
14-SEP-2000.
(MOUN) MOUNT S
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LISX.
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(CORI-) COR
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(XUJJ/) XU
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(HOUG/)
(DBAS/)
(ENTR-)
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(MITC/)
(HARL/)
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(CART/)
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(HEPL/)
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LOSH ) US DEPT HEAL BEST LOCAL Similarity RESULT 1347
ID AAU74903 Stand DE Amino aciden PD
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John Juench
Juery Match
Best Local Similarity
RESULT 1352
ID AAP81243 stander
DE Human splee
PN JP6316°
PD 04-
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RESULT 1349
ID AAY72521 standard; p
DE NS1-P703P mutated-Hi
PN WO200104143-A2.
PD 18-JAN-2001.
PA (SMIK ) SMITHKLINE B
PA (CORI-) CORIXA CORP.
                                                                     Best Local Similarity
RESULT 1346
ID ADJ59024 standard; p
DE Human PSA precursor
PN WO2003047506-A2.
PD 12-JUN-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
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(SMIK ) SMIT
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                     eqID 1558)
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target (TAT) polypeptide PRO2109
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                       cancer
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                                                                                                                                                          Length
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A human prostate specific antigen variant polypeptide
WO200049158-A2.
                    of
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                                                                         7;
                                                                                                                                                         470.5; DB 7;
No. 2.3e-28;
                                                                                                                                                                                                                                                                                                                           470.5; DB 8;
No. 2.3e-28;
                                                                                                                                                                                                                                                                                                                                                                                                            Score 470.5; DB 8; Pred. No. 2.3e-28;
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No. 2.3e-28;
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No. 2.3e-28;
                                                                        , DB 7;
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A 34.2%; Score 470.5; DB 7 Similarity 40.4%; Pred. No. 2.3e-28;
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No. 6.3e-28;
                      treatment
                                                                                                                                                                                                                                                             RESULT 1339

ID ADI39733 standard; protein; 261 AA.

DE Human prostate specific antigen (PSA) protein.

PN US6642013-B1.

PD 04-NOV-2003.

PA (UYAR-) UNIV ARKANSAS MEDICAL SCI.
                                                                         Score 470.5;
Pred. No. 2.
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No. 3.
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O
N
                                                                                                                                                                                                                                                                                                                                                 Human prostate specific antigen (hPSA) US2003199010-A1.
       ADB82777 standard; protein; 261 AA.
Human protein sequence useful for the
WO2003050236-A2.
                                                                                                                                                                                        261 AA.
sequence.
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Pred.
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Pred.
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                                                                                                       261 AA
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ry Match
t Local Similarity 40.4%; Pred
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                                                                                                                                                 CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                     Human PSA protein SEQ ID NO:78. WO2004022709-A2. 18-MAR-2004. (MANN-) MANNKIND COLD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAG62154 standard; protein; 6
Human WT1/PSA fusion protein
WO200125273-A2.
12-APR-2001.
(CORI-) CORIXA CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   JT 1342
ABM82166 standard; protein;
Tumour-associated antigenic
WO2004030615-A2.
                                                                         34.2%;
40.4%;
                                                                                                     ADC09580 standard; protein;
PSA protein #SEQ ID 78.
WO2003008537-A2.
                                                                                                                             Human PSA precursor protein WO2003047506-A2.
                                                                                                                                                                                                                                                                                                                                                                                                         34.2%;
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(COMP-) COMPUGEN LTD.
                                                                                                                                                                                                                                                                                                                   Best Local Similarity
RESULT 1340
                                        19-JUN-2003
(CHIR) CHIRON CORP
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best_Local Similarity
RESULT 1343
                                                                                                                                                      Query Match
Best Local Similarity
RESULT 1338
                                                                                                                                                                                                                                                    Best Local Similarity
                                                                                  Local Similarity
                                                                                                                                                                                        ADJ59022 standard;
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(GETH ) GENI
RESULT 1336
ID ADB82777
DE Human pro
PN WO2003050
PD 19-JUN-20
PA (CHIR ) C
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PFEK2-6XHIS-TAG
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ID AAU74928 standard; protein; 312 AA.

DE Amino acid sequence of NS1-P703P mutated-His fusion protein. PD 03-JAN-2002.
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                              catalytic domain in
                                                                                                                                                                                                                                                                                                                                                                         AAU74934 standard; protein; 231 AA.
Amino acid sequence of P703P mutated-His fusion protein
WO200200867-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                       Length
                                                                                                                                                                                                                                                       231 AA.
mutated-His fusion protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAU74767 standard; protein; 312 AA.
Amino acid sequence of NS1-p703 mutated-His fusion
WO200200708-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                5; DB 5;
3.5e-28;
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1.8e-28;
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1.8e-28;
                                                                                                                                                                                                            7;
                                                                                        ; DB 4;
3.3e-28;
                                                                                                                                                                                                                                                                                           03-JAN-2002.

(SMIK ) SMITHKLINE BEECHAM BIOLOGICALS.

34.0%; Score 467.5; DB 5.

Bry Match

34.0%; Pred. No. 3.5e-28;
                                                                                                                                                                                                         Score 468.5; DB 7
Pred. No. 3.3e-28;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 467; DB 2;
Pred. No. 4.1e-28;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    467.5; DB 4
No. 4.8e-28;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; DB 1;
4.1e-28;
                                                                                                                                                                                                                                                                                                                                                                                                               SMITHKLINE BEECHAM BIOLOGICALS.

34.0%; Score 467.5;
Similarity 43.4%; Pred. No. 4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 467.5;
Pred. No. 4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TII)
                                                                          inc.; Score 469; Pred. No. 3
                                                                                                                                                                               12-JUN-2003.
(USSH ) US DEPT HEALTH & HUMAN SERVICES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                E NS1-P703P mutated-His fusion protein.

N WO200104143-A2.

D 18-JAN-2001.

A (SMIK ) SMITHKLINE BEECHAM BIOLOGICALS.

Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        JULT 1352
AAP81243 standard; protein; 247 AA.
Human spleen trypsin III (trysinogen II
JP63160582-A.
04-JUL-1988.
(SANY ) SANKYO CO LTD.
Query Match
Aatch
Aatch
Actional Similarity 40.9%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            467,
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              03-JAN-2002.
(SMIK ) SMITHKLINE BEECHAM BIOLOGICALS
                                                                                                                                                   sednence
                AA.
MH2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score
Pred.
                                                                                                                                  261 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        247 AA
RESULT 1345

ID AAB67545 standard; protein; 284

DE Amino acid sequence of protease

PN WO200116289-A2.

PD 08-MAR-2001.

PD ORTHO-MCNEIL PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 40.9%;
RESULT 1353
ID AAR82703 standard; protein;
DE Human pancreatic trypsin III
                                                                        PHARM I
34.1%;
43.8%;
                                                                                                                                Human PSA precursor protein; WO2003047506-A2.
                                                                                                                                                                                                            34.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         34.0%;
40.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   34.0%;
43.4%;
                                                                                                                                                                                                                                                    AAU74903 standard; protein;
Amino acid sequence of p703
WO200200708-A2.
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                                                                                                                                                                                                                                                                                                                                                                     Length 261
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                                                       26.
                                                                                                                                                                                                                  26.
                                                                                                                                         Length 22
                                                                                                                                                                                                                                                       П
                                                                                                                                                                                                                                                                                            237
                                                                                                                                                                   protein; 261 AA.
(L155/Y154) precursor protein sequence
                                                                                                                                                                                                                  Length
                                                        Length
                                                                                                                                                                                                                                                       SEO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #2
                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        131
                                                                                                                                                                                                                                         ADA50549 standard; protein; 237 AA.
Rhesus macaque prostate specific antigen (PSA/KLK3),
WO2003031569-A2.
17-APR-2003.
         protein; 261 AA. (Y154) precursor protein sequence
                                                                                                                                                                                                                                                                                                                                                                                                          #4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #4
                                                                                                                                         5; DB 5;
5.8e-28;
                                                                                                                                                                                                       US DEPT HEALTH & HUMAN SERVICES.

A 33.8%; Score 464.5; DB 7; Similarity 40.4%; Pred. No. 6.8e-28;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ΩI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human prostatic carcinoma derived DNA SEQ ID 232 WO2004076614-A2.
                                                                                                                                                                                                                                                                                                                                                                                                          ID 131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   α
3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                8
                                                                                                                                                                                                                                                                                                                                                                    DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ); DB 8;
                                                       ; DB 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               , DB 8
                                                     7
                                                                                                                                                                                                                                                                                                                                                                               .1e-28;
                                                                                                                                                                                                                                                                                            DB 6;
                                                                                            48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human prostatic carcinoma derived protein SEQ WO2004076614-A2.
                                                                                            Π
                                                                                                                                                                                                                                                                                                                                                                                                      Human prostatic carcinoma derived DNA SEQ WO2004076614-A2.
10-SEP-2004.
(HINZ/) HINZMANN B.
                                                                                                                                         Score 464.5;
Pred. No. 5.
                                                                                                                                                                                                                                                                                                                                                                    Score 463.5;
Pred. No. 8.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 462.5;
Pred. No. 9.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 462.5;
Pred. No. 9.3
                                                         Best Local Similarity 40.4%; Score 466.5; RESULT 1355

ID ABB84422 standard; peptide; 226 AA.

DE Rat SCCE protein N-terminal fragment SEQ PN WO200262135-A2.

PD 15-AUG-2002.

PA (EGEL/) EGELRUD T.
                                           US DEPT HEALTH & HUMAN SERVICES.
h
Similarity 40.4%; Pred. No. 4
                                                                                                                                                                                                                                                                                                    ဖ
                                                                                                                                                                                                                                                                                          464;
No. (
                                                                                                                                                                                                                                                                                                               Human prostate-specific antigen protein. US2003235594-Al.
                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               248 AA.
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25-DEC-2003.
(ANTI-) ANTIGEN EXPRESS INC.
33.7%;
ery Match
33.7%;
                                                                                                                                         33.8%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           protein;
                                                                                                                                                                                                                                                                                                                                                                                               ADR66838 standard; protein;
                                                                                                                                                                                                                                                                                   CENTOCOR INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                      (ROSE/) ROSENTHAL A. (HERM/) HERMANN K. (PILA/) PILARSKY C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ROSENTHAL A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ROSENTHAL A
                                                                                                                                                                            Human PSA analogue
WO2003047506-A2
                                                                                                                                                                                                                         Best Local Similarity RESULT 1357
        ADJ59026 standard;
Human PSA analogue
WO2003047506-A2.
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                                                                                                                                                                   ADJ59028 standard;
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                                                                                                                                                 Local Similarity
1356
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(HINZ/) HINZMANN B
                                                                                                                                                                                                                                                                                                             RESULT 1358
ID ADM12395 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADR66934 standard;
                                                                                                                      EGELRUD T. HANSSON L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HERMANN K
PILARSKY (
                                                                                                                                                                                                                                                                                                                                                                                                                                               DAHL E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         10-SEP-2004.
                                    12-JUN-2003
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                                           (USSH ) u
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(ROSE/)
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(PILA/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (DAHL/)
(ROSE/)
                                                                                                                               (HANS/)
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RESULT 1354
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ID AD
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                                                                                                                                                                                                                                                                                                                       ADP27545 standard; protein; 297 AA.

Human kallikrein-3 (KLK-3) EHT103 protien a variant
FR2848569-A1.

18-JUN-2004.

(EXON-) EXONHIT THERAPEUTICS SA.

33.6%; Score 462; DB 8; Leng
st Match
st Local Similarity 41.0%; Pred. No. 1.2e-27;
                                                                                                                                                                                                                                protien b variant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5; DB 2;
L.4e-27;
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α
             Score 462.5; DB 8; Pred. No. 9.3e-28;
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Pred. No. 1.4e-27;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 459.5; DB 5; Pred. No. 1.5e-27;
                                                                                                                                                                          462.5; DB 8
No. 9.3e-28;
                                                                                                                                                                                                                                                                                    462; DB 8;
No. 1.1e-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     459; DB 2;
No. 1.6e-27
                                                                   SEO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    variant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human prostate specific antigen (PSA) varian WO200240059-A2.
23-MAY-2002.
(AMBI-) AMERICAN FOUND BIOLOGICAL RES INC. (MINC/) MINCHEFF M S. (LOUK/) LOUKINOV D I. (ZOUB/) ZOUBAK S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity 40.2%; Pred. No. 1.4. SULT 1366
AAW10600 standard; protein; 261 AA.
Human prepro-Trp226-glandular kallikrein-2 WO9701630-A1.
                                       Human prostatic carcinoma derived protein WO2004076614-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 460.5;
Pred. No. 1.
                                                                                                                                                                                                                                                                                                                                                                              SA.
Score 462;
Pred. No. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAY08894 standard; protein; 238 AA.
Chimeric serine protease FXT protein.
EP927764-A2.
                                                                                                                                                                                                                                                                                   Score '
                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ROCHE DIAGNOSTICS GMBH.

1 33.4%; Score
Similarity 40.5%; Pred.
                                                                                                                                                                                 Best Local
RESULT 1363
ID ADP27546 standard; protein,
DE Human kallikrein-3 (KLK-3) EHT103
PN FR2848569-A1.
PD 18-JUN-2004.
PD 18-JUN-2004.
PA (EXON-) EXONHIT THERAPEUTICS SA.
                                                                                                                                                                                                                  protein; 281 AA (KLK-3) EHT103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                $
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41.4%;
             33.7%;
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Prepro-hK2 kallikrein.
WO9530758-Al.
16-NOV-1995.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAB21314 standard; protein;
Human KLK2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  16-JAN-1997.
(ORIN ) ORION YHTYMAE OY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (MAYO-) MAYO FOUNDATION. (HYBR-) HYBRITECH INC.
                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
RESULT 1365
ID AAR84668 standard; pr
DE Prepro-hK2 kallikrein
PN W09530758-A1.
PD 16-NOV-1995.
PA (MAYO-)
                                                                                                     (HINZ/) HINZMANN B.
(DAHL/) DAHL E.
(ROSE/) ROSENTHAL A.
(HERM/) HERMANN K.
(PILA/) PILARSKY C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 1367
                         Best Local Similarity
RESULT 1362
ID ADR66036 standard;
                                                                                                                                                                           Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
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PILARSKY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human KLKZ.
WO200053776-A2
14-SEP-2000.
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Ouery Match
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261;
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                                                                                                                                                                                                                                                                                                                                               prepro-hK2
                                                                                                        Length
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           Length
                                                                                                                                       AAW83203 standard; protein; 261 AA.
Prostate-specific glandular kallikrein protein pphK2
W09846795-A1.
                                         ; protein; 261 AA.
glandular kallikrein prepro-hK2
                                                                                                                                                                                                                                                                                                                                     261 AA.
kallikrein precursor
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          458.5; DB 3
No. 1.9e-27;
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:-27;
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                                                                                                         458.5; DB
No. 2e-27;
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No. 2e-27;
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Pred. No. 2e
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Prepro human Kallikrein 2 (preprohK2)
W09859073-A1.
30-DEC-1998.
(MAYO-) MAYO FOUNDATION.
                                                                                                         Score Pred. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
          Score
Pred.
                                                                                                                                                                                                                          JT 1372
AAW49085 standard; protein; 261 AA
Wild-type human Kallikrein 2 (hK2)
WO9821365-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     261 AA
                                                                                                                                                                                (MAYO-) MAYO FOUNDATION.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAU06279 standard, protein; 261
Human Kallikrein2 polypeptide.
WO200145728-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADB75390 standard; protein; 261 Prostate cancer marker protein. WO2003009814-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (MOUN ) MOUNT SINAI HOSPITAL.
MOUNT SINAI HOSPITAL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (MILL-) MILLENNIUM PHARM INC.
                                                                                                                                                                                                                                                                                                                                   ; protein;
glandular
                                                                                                                                                                                                                                                                                                                                                                                                   33.4%;
          33.4%;
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                                                                       07-NOV-1996.
(HYBR-) HYBRITECH INC.
(MAYO-) MAYO FOUNDATION.
                                                                                                                                                                                                                                                                               (MAYO-) MAYO FOUNDATION. (HYBR-) HYBRITECH INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (YOUN/) YOUNG C Y F (TIND/) TINDALL D J (KLEE/) KLEE G G.
                                                                                                                                                                                                                                                                                                                                   AAW45397 standard; prostate-specific gwo9802748-A1.
                                        AAW06971 standard;
Prostate-specific g
WO9634964-A2.
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          Query Match
Best Local Similarity
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WO200053776-A2
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                              RESULT 1370
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hyperplasia
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AABI1041 standard; peptide; 237 AA.

Human prostate-specific antigen N-terminal fragme
EP1043394-A2.
11-OCT-2000.
(SERA-) SERATEC GES BIOTECHNOLOGIE MBH.

sry Match
st Local Similarity 41.6%; Pred. No. 2.1e-27;
                                                                                                                                                                                                                                                                                                                                               Score 457.5; DB 2; Pred. No. 2.1e-27;
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                                                                                                                                                                     457.5; DB 2;
No. 2.1e-27;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO20005,...
09-NOV-2000.
(HYBR-) HYBRITECH INC.
(BAYU ) BAYLOR COLLEGE MEDICINE.
33.3%; Score 457.5; DB 4;
Match
33.3%; Pred. No. 2.1e-27;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQ
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No. 2.1e-27;
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Pred. No. 2.1e-27;
 2e-27
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ID ADA50546 standard; protein; 237 AA.

DE Human prostate specific antigen (PSA/KLK3), PN WO2003031569-A2.

PD 17-APR-2003.

PA (CENZ ) CENTOCOR INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 457.5;
Pred. No. 2.
                                                                                                                                                                                                                                                                                                                                                                                           Human prostate specific antigen (PSA).
WO9859073-A1.
30-DEC-1998.
(MAYO-) MAYO FOUNDATION.
(YOUN/) YOUNG C Y F.
(TIND/) TINDALL D J.
(KLEE/) KLEE G G.
                                                                                                                                                                                                                               AAW56086 standard; protein; 237 AA.
Human prostate specific antigen protein.
W09810292-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADA09840 standard; protein; 237 AA.
Human mature prostate specific antigen
US2003059864-A1.
27-MAR-2003.
(MIKO/) MIKOLAJCZYK S D.
(RITT/) RITTENHOUSE H G.
 Pred. No.
                                    AAW83213 standard; protein; 237 AA.
Prostate-specific antigen protein hK3
W09846795-A1.
22-OCT-1998.
(BAYU ) BAYLOR COLLEGE MEDICINE.
(MAYO-) MAYO FOUNDATION.
                                                                                                                                                                       Score
Pred.
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Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein; 237 AA antigen specific
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(HYBR-) HYBRITECH INC.
(BAYU ) BAYLOR COLLEGE MEDICINE.
33.3%; Scrarv Match 33.3%; Scrarv Match Printle 41.6%; Printle 41.6%; Printle 41.6%;
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41.6%;
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41.6%;
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H G.
33.3%;
41.6%;
 40.8%;
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RESULT 1383
ID AAB19818 standard; pr
DE Prostate specific ant.
PN WO200066718-A1.
PD 09-NOV-2000.
PA (HYBR-)
                                                                                                                               Match
Best Local Similarity
RESULT 1379
ID AAW56086 standard; pr
DE Human prostate specif
PN W09810292-A1
PD 12-MAR-'
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-MAR-1998.
(CENZ ) CENTOCOR IN GEST Local Similarity RESULT 1380
ID AAW96187 standar?
DE Human prostate PN W09859073-A**
PD 30-DEC-1°
PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO' PA (YO')PA (YO'
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(CENZ ) CENTOCOR INC
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Best Local Similarity
RESULT 1381
ID AAB11041 Stand
DE Human pro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAB19819 standard;
Prostate specific a
WO200067030-A1.
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 Similarity
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1378
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Pred. No. 3.5e-27;
                                                                                                                                                  DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             455.5; DB 2
No. 3.3e-27;
                                                                                                                                                            .1e-27;
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                                                    ; DB 7
                                                                                                                                                                                                                                                DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              261 AA.
kallikrein hK2v217
                                                                                                                                                                                                                                                                                                                                              Score 455.5; DB Pred. No. 3e-27;
                                                                                                                                                                                                                                                                                                                                                                                                                               Score 455.5; DB Pred. No. 3e-27;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             232 AA. (hTI-1) protein.
                                                                                                                                                                                                                                                                                          (PSA)
                                                                                                                                                                                     Human Act.
WO8702709-A.
07-MAY-1987.
(BIOT-) BIOTECHN RES PARTN.
(CALB-) CALIF BIOTECHNOL INC.
33.2%; Score 456; I
33.2%; Pred. No. 2.
                          12-JUN-2003.
(USSH ) US DEPT HEALTH & HUMAN SERVICES.
33.3%; Score 457.5;
sry Match 33.3%; Pred. No. 2.
                                                                                                                                                 Score 457.5
Pred. No. 2
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(USSH ) US DEPT HEALTH & HUMAN SERVICES
                                                                                                                                                                                                                                                                            AAW45398 standard; protein; 237 AA.
Prostate-specific antigen protein hK3
WO9802748-A1.
                                                                                 ADF60980 standard; protein; 237 AA. Human prostate specific antigen (PSA) US2003166036-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
Pred.
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         Human PSA mature protein sequence WO2003047506-A2.
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WO2003047506-A2.
 237
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                                                                                                                                                                              AAP70677 standard; protein; 2, Human kallikrein gene product
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              , protein,
glandular
                                                                                                                           S D.
H G.
33.3%;
41.6%;
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Homo sapiens Tub Interactor
WO9812302-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              33.2%;
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Human prostase antigen #1.
WO200104143-A2.
standard; protein;
                                                                                                                                                                                                                                                                                                                         (MAYO-) MAYO FOUNDATION. (HYBR-) HYBRITECH INC.
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RESULT 1392
ID AAW45400 standard; p
DE Prostate-specific gl
PN WO9802748-Al.
PD 22-JAN-1998.
PA (MAYO-) MAYO FOUNDAT
PA (HYBR-) HYBRITECH IN
                                                                                                                           (MIKO/) MIKOLAJCZYK (RITT/) RITTENHOUSE
                                                                                                                                                        Best Local Similarity
RESULT 1388
ID AAP70677 standard;
DE Human kallikrein of
                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 1390
                                                                                                                                                                                                                                                                                                                                                                   J 1390
ADJ59025 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 1391
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                                                            Best Local Similarity RESULT 1387
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ADJ59023
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ID AAW4539
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232;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAW83204 standard; protein; 244 AA.
Prostate-specific glandular kallikrein protein phK2
W09846795-A1.
22-OCT-1998.
(BAYU) BAYLOR COLLEGE MEDICINE.
(MAYO-) MAYO FOUNDATION.
                                                                                                                                                                                                                         #1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein; 237 AA. (Y154) mature protein sequence
                                                                                                                                             Query Match
33.1%; Score 454.5; DB 5;
RESULT 1396
ID AAU74930 standard; protein; 232 AA.
DE Amino acid sequence of prostase protein fragment PD WO200200867-A1.
PD 03-JAN-2002.
PD 03-JAN-2002.
PA (SMIK) SMITHKLINE BEECHAM BIOLOGICALS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; DB 2;
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03-JAN-2002.

(SMIK ) SMITHKLINE BEECHAM BIOLOGICALS.

33.1%; Score 454.5; DB 5;

Bry Match

33.1%; Score 454.5; DB 5;

33.1%; Score 454.5;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    244 AA.
kallikrein precursor
                                  4
                                                                                                                                        SMITHKLINE BEECHAM BIOLOGICALS.

33.1%; Score 454.5; DB 5;
Similarity 43.8%; Pred. No. 3.5e-27;
                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 454.5; DB 2;
Pred. No. 3.7e-27;
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Pred. No. 4e-27;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       452.5; DB 2;
No. 5.3e-27;
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(USSH) US DEPT HEALTH & HUMAN SERVICES.
ery Match
33.0%; Score 453.5; DB 7
-- rocal Similarity 41.6%; Pred. No. 4.3e-27;
                               Score 454.5; DB 4 Pred. No. 3.5e-27;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 452.5;
Pred. No. 5.
                                                                                              #1
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                                        Best Local Similarity 43.8%; Pred. No. RESULT 1395
ID AAU74769 standard; protein; 232 AA. DE Protein sequence of prostase homologue PN WO200200708-A2. PD 03-JAN-2002. PD SMITHKLINE BEECHAM BIOLOGICALS.
(SMIK) SMITHKLINE BEECHAM BIOLOGICALS (CORI-) CORIXA CORP.

33.1%; Score 454
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score
Pred.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAW96188 standard; protein; 244 AA Pro. human Kallikrein 2 (prohK2).
WO9859073-A1.
30-DEC-1998.
(MAYO-) MAYO FOUNDATION.
                                                                                                                                                                                                                                                                                                                                 AAR84669 standard; protein; 244 AA Pro-hK2 kallikrein.
WO9530758-A1.
16-NOV-1995.
(MAYO-) MAYO FOUNDATION.
(HYBR-) HYBRITECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      USZUCZ---
25-MAR-2004.
(ANTI-) ANTIGEN EXPRESS INC.
33.1%;
ery Match
                                33.1%;
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Prostate-specific glandular
WO9802748-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                  33.1%;
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(MAYO-) MAYO FOUNDATION.
(HYBR-) HYBRITECH INC.
                                                                                                                                                                                                       sequent,

JAN-2002.

SMIK ) SMITHKLINE ALORY MATCH
BEST LOCAL SIMILARITY
RESULT 1397

ID AAR84669 Stander
DE Pro-hK2 kall
PN W0953075P
PD 16-NOV
PA (N°
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RESULT 1398
ID ADO38617 standard; r.
DE Prostate Specifi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
RESULT 1399
ID ADJ59027 standard; pi
DE Human PSA analogue ()
PN WO2003047506-A2.
PD 12-JUN-2003.
PA (USSH) US DEPT HEALT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           YOUNG C Y F
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Query Match
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Best
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PN W.
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                                                                                                                                                                                                                                                                                                                        protein; 236 AA.
(L155/Y154) mature protein sequence
                                                                                                                                                                                                                                     a variant
                                                                                                                                     variant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAW83202 standard; protein; 237 AA.
Prostate-specific glandular kallikrein protein hK2
W09846795-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAW45395 standard; protein; 237 AA.
Mature prostate-specific glandular kallikrein hK2
WO9802748-Al.
                                                                                                                                                                                                                                                                                     8;
                                                                                                                                                                                                                                                                                                                                                                        US DEPT HEALTH & HUMAN SERVICES.

1 32.9%; Score 451.5; DB 7;
Similarity 41.6%; Pred. No. 6.1e-27;
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No. 6.1e-27;
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                                                                                   Score 452.5; DB 2 Pred. No. 5.4e-27;
                                                                                                                                                                                                                                                                          SA.
Score 452.5; DB 8
Pred. No. 6.5e-27;
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5.3e-27;
                                                                                                                       ; 281 AA.
EHT102 protein b
                                                                                                                                                                                                                                     protein
Pred. No.
                                                                                                                                                                        DA (L.)

Query Match
Best Local Similarity 41.8%; r.c.
RESULT 1405
ID ADP27537 standard; protein; 297 AA.
DE Human kallikrein-2 (KLK-2) EHT102 pr
PN FR2848569-A1.
PD 18-JUN-2004.
PA (EXON-) EXONHIT THERAPEUTICS SA.
Onery Match
A1.8%; Pred. 1
                                                                                                                                                                        SA.
Score
Pred.
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32.8%; Score
Similarity 40.7%; Pred.
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                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 1407

ID AAR77098 standard; protein; 237 AA

DE Prostate-specific antigen.

PN W09528498-A1.
                       250 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          237 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (BAYU) BAYLOR COLLEGE MEDICINE.
(MAYO-) MAYO FOUNDATION.
17. Match
17. Local Similarity 42.0%; Pre-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADA50561 standard; protein; 23
Kallikrein KLK2, SEQ ID NO:16
                                                                                                                                                                       (EXON-) EXONHIT THERAPEUTICS ry Match t Local Similarity 41.8%;
                                                                                                                        protein; (KLK-2) E
                                                                                   32.9%;
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42.0%;
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42.0%;
                       protein;
41.8%;
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Mature human Kallikrein 2 (
                                    Prostate-specific antigen. WO9621042-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (MAYO-) MAYO FOUNDATION. (HYBR-) HYBRITECH INC.
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(YOUN/) YOUNG C Y F.
(TIND/) TINDALL D J.
(KLEE/) KLEE G G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Match
Best Local Similarity
RESULT 1408
ID AAW83202 standard; pr
DE Prostate-specific glapp N W09846795-A1.
PD 22-OCT-1998.
PA (BAYU)
                                                           11-JUL-1996.
(UYBO-) UNIV BOSTON.
                                                                                                                                                                                                                                                                                             Best Local Similarity
RESULT 1406
ID ADJ59029 standard; p
DE Human PSA analogue (
PN WO2003047506-A2.
PD 12-JUN-2003.
PA (USSH ) US DEPT HEAL
                                                                                                                      ADP27538 standard;
Human kallikrein-2
FR2848569-Al.
                       AAW03130 standard;
                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
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                                                                                     Query Match
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Juery Mat
Best Local
RESULT 1409
ID AAW453'
DE Matu'
PN WO'
PD 2'
PA
                                                                                                 Best Local
RESULT 1404
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ID AAW9618
DE Mature
PN WO98590
PD 30-DEC-
PA (MAYO-)
PA (YOUN/)
PA (TIND/)
PA (KLEE/)
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                                   Length 237;
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                                                                                                                                                                                          human NOVX domain SegID 813
                                                                                                                                                                                                                                                                                                                                                                    ADJ83076 standard; protein; 217 AA.
Trypsin protein which is related to human NOVX protein US2003170630-A1.
11-SEP-2003.
(ALSO/) ALSOBROOK J P.
(TCHE/) TCHERNEV V T.
                                                                                                                                                                                                                                                                                       domain SeqID
                                   9
                                                                                                                                                                                                                                                                                                                                     447.5; DB 5;
No. 1.1e-26;
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No. 1.3e-26;
                                   Score 450.5; DB 6 Pred. No. 7.4e-27;
                                                                                                                                                                                                                                       Score 447.5; DB 5 Pred. No. 1.1e-26;
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                                                                                                                                            В
                                                                                                                                           Score 448.5; D) Pred. No. 1e-26
                                                                                                                                                                                                                                                                         ADI17269 standard; protein; 217 AA. Polypeptide homologous to a human NOVX WO200268649-A2.
                                                                                                                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
                                                                      237 AA
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                                                                  Mature kallikrein hK2.
WO9530758-A1.
16-NOV-1995.
(MAYO-) MAYO FOUNDATION.
(HYBR-) HYBRITECH INC.
                                                                                                                                                                                                                                                                                                                                     32.6%;
                                   32.8%;
                                                                                                                                                                                                                                        32.6%;
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32.6%;
42.0%;
                                                                                                                                                                   ADI17277 standard; protein;
Polypeptide homologous to a
WO200268649-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAW83212 standard; protein;
hK2 variant A217V.
WO9846795-A1.
                                                                                                                                            32.6%;
                                                                                                                                                      42.0%;
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Ж
              Best Local Similarity
RESULT 1412
ID AAR84667 standard; pr
DE Mature kallikrein hK2
PN WO9530758-A1.
PD 16-NOV-1995.
PA (MAYO-)
                                                                                                                                                                                                                                                                                                             06-SEP-2002.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                             CURAGEN CORP.
                                                                                                                                                                                    ..omolc
J49-A2.
CURA-) CURAGEN COR.
Juery Match
Best Local Similarity
RESULT 1414
ID ADI17269 stand?
DE Polypeptid?
PN WO20026?
PD 06-
                        CENTOCOR INC
                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
RESULT 1415
ID ADJ83076 standard; p
DE Trypsin protein which
PN US2003170630-A1.
PD 11-SEP-2003.
PA (ALSO/) ALSOBROOK J
PA (TCHE/) TCHERNEV V T
PA (LIUX/) LIU X.
PA (SPYT/) SPYTEK K A.
PA (ZERH/) LEPLEY D M.
PA (BURG/) BURGESS C E.
PA (SHIM/) SHIMKETS R A
PA (GROS/) GROSSE W M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FERNANDES E
RIEGER D K.
EDINGER S R.
GUNTHER E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ELLERMAN K. MACDOUGALL J
                                                                                                                                                        Local Similarity
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WO2003031569-A2
17-APR-2003.
(CENZ ) CENTOCO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CASMAN
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(SZEK/
(VERN/
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(BOLD/
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                                                                                                                                                                         Length 23
                                                                                                                                                                                                                                                        Length 240;
                                                                                                                                                                                                                                                                                                                                                                                                                                Length 227;
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                                                            Length
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                                                                                                                                                                                                                                                                                                                                                                       ABMBZ643 Btandard; protein; 227 AA.
Human diagnostic and therapeutic pprotein SEQ ID NO:2892
WO2004023973-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAM52944 standard; protein; 260 AA. Agkistrodon halys brevicaudus thrombin-likle protease,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAR94526 standard; protein; 279 AA.
Korean Viper Salmosa thrombin-like protease, Halybin EP707067-A2.
17-APR-1996.
(MOGA-) MOGAM BIOTECHNOLOGY RES INST.
                                                                                                                                                                         ; DB 2;
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                                                                                                                                                                                                                                                                                                                                                 444.5; DB 2;
No. 2.1e-26;
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                                                                                                                                                                                                                                                                                                                                                                                                                                ; DB 8;
2.7e-26;
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                                                            Score 447.5; DB 2 Pred. No. 1.3e-26;
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                                                                                                                                                                                                                                                       ; DB 2;
2e-26;
                                                                                                                                                                         Score 447.5;
Pred. No. 1.
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Pred. No. 8.
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                                                                                                                                                                                                                                                        Score 445;
Pred. No. 7
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32.0%; Score 439;
Similarity 37.7%; Pred. No. 6
                                                                                                                                                                                                                                                                                                                                                                                                                                Score 443;
Pred. No.
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AAW49087 standard; protein; 237 AA.
Mutant human Kallikrein 2 (hK2) A217V
WO9821365-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                          237 AA. (hK2).
                                                                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                      240 AA
                                                                                                                                                                                                                                                                                     AAR84671 standard; protein; 237 AA Mature kallikrein hK3.
WO9530758-A1.
                                                                                                                                                                                              AAW11023 standard; protein; 240 AA Human prostate specific antigen. WO9640754-A1.
19-DEC-1996.
(TEXA) UNIV TEXAS SYSTEM.
22.4%; Score APET Local Similarity 41.0%; Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               238 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAR84670 standard; protein; 2: Mature kallikrein hK2. WO9530758-Al. 16-NOV-1995. (MAYO-) MAYO FOUNDATION. (HYBR-) HYBRITECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mamushi fibrinolytic enzyme, KR2001045716-A.
                                                           32.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                32.2%;
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                                                                             RESULT 1418

ID AAW96190 standard; protein;
DE Variant human Kallikrein 2
PN W09859073-A1.
PD 30-DEC-1998.
                                                                                                                                                                         32.6%;
                                                                                                                                                                                                                                                                                                                                                 32.4%;
                                                                                                                               MAYO FOUNDATION.
YOUNG C Y F.
TINDALL D J.
KLEE G G.
                                      (MAYO-) MAYO FOUNDATION. (HYBR-) HYBRITECH INC.
                                                                                                                                                                                                                                                                                                                             (MAYO-) MAYO FOUNDATION. (HYBR-) HYBRITECH INC.
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(INCY-) INCYTE CORP
                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
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                                                                                                                                                                                  Local Similarity
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                                                                      Best Local Similarity
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RESULT 1421
ID ABM82643 standard;
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AAG79000 standard;
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(LEEJ/) LEE J W.
(PARK/) PARK W.
                              22-MAY-1998
                                                                                                                                                                                                                                                                                                                   16-NOV-1995
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                                                            Match
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                                                                                                                                                    (TIND/)
(KLEE/)
                                                                                                                                (MAYO-)
                                                                                                                                          (YOUN)
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AAB74803 standard; protein; 205 AA.
Prostate tumour antigen predicted amino acid sequence for P703P-DE13
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Human immunogenic prostate tumour protein sequence SEQ WO200004149-A2.
27-JAN-2000.
(CORI-) CORIXA CORP.
                                  Length
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABG94414 standard; protein; 205 AA.
Human prostate tumour protein partial variant sequence
US2002090372-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                             clone P703 splice
                                                               Human prostate cancer-related intracellular protein WO200071711-A2.
                                                                                                                                                                                  ADE78966 standard; protein; 227 AA.

Human protein modification and maintenance molecule
WO2003063688-A2.
07-AUG-2003.
(INCY-) INCYTE GENOMICS INC.
31.3%; Score 430; DB 7; Leng
st Local Similarity 39.2%; Pred. No. 2.7e-25;
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Pred. No. 4.5e-25;
                                                                                                                                                                                                                                                                                                                 protein
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Pred. No. 4.5e-25;
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No. 4.5e-25;
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                                                                                                                                               431.5; DB 4;
No. 1.8e-25;
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No. 4.5e-25;
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No. 4.5e-25;
                                 DB 2;
                                                                                                                                                                                                                                                                                                AAW69388 standard; protein; 205 AA. Prostate tumour specific gene clone DE13 W09837418-A2. 27-AUG-1998. (CORI-) CORIXA CORP.
                   RES INST.
Score 436;
Pred. No. 1
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protein #6.
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Pred.
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Pred.
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tumour
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Pred.
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Pred.
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RESULT 1429
ID AAW71872 standard; protein; 20
DE Protein encoded by prostate to WO9837093-A2.
PD 27-AUG-1998.
PA (CORI-) CORIXA CORP.
30-MAR-1998.
(MOKA-) MOKAM BIOTECHNOLOGY
ery Match
31.7%;
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43.7%;
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Human prostate cDNA encoded
WO200173032-A2.
04-OCT-2001.
(CORI-) CORIXA CORP.
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                                                                                                                   30-NOV-2000.
(SAAT/) SAATCIOGLU F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 1430 ID AAY82005 standard; DE Human immunocenic
                                                                                                                                                           Best Local Similarity
SULT 1427
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Best Local Similarity
RESULT 1428
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(XUJJ/) XU J.
(DILL/) DILLON D C.
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                                              Best Local Similarity
SULT 1426
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Best Local Similarity
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ID AAM01120 standard;
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                   Length
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                          Human prostate-specific amino acid sequence P703P-DE13. 17-MAY-2001. (CORI-) CORIXA CORP.
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                   426.5; DB 4
No. 4.5e-25;
                                                                      Score 426.5; DB 4 Pred. No. 4.5e-25;
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specific antigen P703P #2
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Pred. No. 4.
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                   Score
Pred.
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17-JUL-2001.
(CORI-) CORIXA COPP
                                                                                                                                                                                                                                                                                                                                 ABB95225 standard; protein; 205 AA. Human P703P-DE13 protein SEQ ID NO US200202248-A1.
                    31.0%;
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HEPLER W T.
HENDERSON R A.
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Y DE BASSOLS
FOY T M.
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             CORIXA CORP.
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HARLOCKER S
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HARLOCKER S
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US2002192763-A1.
19-DEC-2002.
(XUJJ/) XU J.
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WO200125272-A2.
12-APR-2001.
(CORI-) CORIXA
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Deinagkistrodon acutus venom thrombin-like protein
                                                                                                                                                                                        426.5; DB 5;
No. 4.5e-25;
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(SHAN-) SHANGHAI BIO-CHEM INST CHINESE ACAD SCI.
sry Match
translarity 36.4%; Pred. No. 1e-24;
                                                                                                                                                                                                                                                                                      SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 422.5; DB 5;
Pred. No. 1.3e-24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 7;
Se-25;
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G-coupled protein receptor related polypeptide, WO200283841-A2.
24-OCT-2002.
(CURA-) CURAGEN CORP.
30.6%; Score 420; DB 7;
                                                                                                                                                                                                                                                                                                                                                                                  Score 426.5; DB 6 Pred. No. 4.5e-25;
 4.5e-25;
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1.1e-24;
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1.3e-24;
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ID ADB13626 standard; protein; 205 AA.

DE Human prostate specific protein P703P-DE13 PN US2003185830-A1.

PD 02-OCT-2003.

PA (CORI-) CORIXA CORP.
                                                                                                                                                                                                                                                            ABR54337 standard; protein; 205 AA. Prostate tumour specific protein sequence WO200289747-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DE Human prostate-specific polypeptide #6.
PN US2003157089-A1.
PD 21-AUG-2003.
PA (CORI-) CORIXA CORP.
Query Match
Best Local Similarity 43.7%; Pred. No. 4.1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 426.5;
Pred. No. 4.
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No.
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No.
 Pred. No.
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Pred.
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NO200216439-A2.
Sereb-2002.
A (HYSE-) HYSEQ INC.
                                                                                                                                                                                           Score
Pred.
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Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   peptide; 225 AA. s of cod trypsin
                                              205 AA
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Human protein modification and
WO2003031939-A2.
17-APR-2003.
(INCY-) INCYTE GENOMICS INC.
uery Match
est Local Similarity 37.8%; P
                                         ABG76668 standard; protein; 2
Prostate tumour protein #6.
US2002081580-A1.
27-JUN-2002.
(XUJJ/) XU J.
(DILL/) DILLON D C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 30.6%;
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43.7%;
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 43.78;
                                                                                     A1.

(1) XU J.

(2) XU J.

(2) LOLL/) DILLON D C.

(3) Best Local Similarity

(4) RESULT 1440

(1) ABR54337 stand?

(2) DE Prostate transported to the point of the prostate transported to the prostate transported to the prostate transported to the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the point of the poin
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ID ADK36957 stand DE Novel humar
PD 28-7
PA
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RESULT 1442
ID ADG26042 standard; p
DE Human prostate-speci
PN US2003157089-A1.
PD 21-AUG-2003.
PA (CORI-) CORIXA CORD
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Amino acid sequence
WO200078332-A2.
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(BJAR/) BJARNASON J
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(CORI-) CORIXA CORP
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RESULT 1447
ID ADE15982 standard;
DE G-coupled protein r
 Similarity
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Best Local
RESULT 1439
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Length 218;

Length 198

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Query Match
Best Local Similarity
RESULT 1454
ID ADN62900 standard; r
DE Human NOV18C.
PN US2004038223-A1.
PD 26-FEB-2004.
PA (SMIT/) SMITHSON
PA (MILL/) MILLET
PA (MILL/) MILLET
PA (TEXU/) KEKUF
PA (TILL/) LI
PA (GUOX/) GT
PA (BDIN/)
PA (ELLE/)
PA (ELLE/)
PA (MALN/)
PA (GGC)
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(GORM/)
(ZERH/)
(ZHON/)
(CATT/)
(JIWW/)
(MILL/)
(RAST/)
(SHIM/)
(SHIM/)
(LEAC/)
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(BERG/)
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                                                                                                                                         9#
                                                                                                                 ADL93921 standard; protein; 218 AA.
Human G-coupled protein receptor-related protein
US2004006205-A1.
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(MILL-) MILLENNIUM PHARM INC.
30.3%; Score 416.5; DB 5;
arv Match 42.6%; Pred. No. 2.9e-24;
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1.5e-24;
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2e-24;
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Human trypsin domain consensus protein #2
WO200226802-A2.
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Pred. No. 2.
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Pred. No. 2
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Pred. No. 1
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No. 2
                                                                                                  Pred. No.
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Human secreted protein from cDNA clon
WO9940183-A1.
12-AUG-1999.
(HUMA-) HUMAN GENOME SCI INC.
20ery Match
30.4%; Score 41
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ABG75786 standard; protein; 226 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAW46773 standard; protein; 233 A. Amino acid sequence of Salmonase. EP814164-A2.
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36.6%;
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SMITHSON G.
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RESULT 1450
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MILLER C
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(LILL/) LI
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Query Match
Sest Local Similarity 38.7%; Pred. No. 9.5e-24;
RESULT 1456
ID ADG75684 standard; protein; 215 AA.
DE Human protein modification and maintenance molecule polypeptide SegID8 PD 09-OCT-2003.
PD (INCY-) INCYTE CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 198;
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Human diagnostic and therapeutic pprotein SEQ ID NO:3078
WO2004023973-A2.
25-MAR-2004.
(INCY-) INCYTE CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABM83248 standard; protein; 299 AA.
Human diagnostic and therapeutic pprotein SEQ ID NO:3497
WO2004023973-A2.
25-MAR-2004.
(INCY-) INCYTE CORP.
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Pred. No. 5.2e-24;
412.5; DB 6
No. 5.2e-24;
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Pred. No. 1.1e-23
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Pred. No. 1.1e-23
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17-APR-2003.
(CENZ ) CENTOCOR INC.
Score Pred.
                                          198 AA
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37.1%;
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37.1%;
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30.0%;
                                         protein;
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SHENOY S G.
SHIMKETS R A.
ROTHENBERG M E.
LEACH M D.
AGEE M L.
BERGHS C.
DIPIPPO V A.
EISEN A.
GANGOLLI E A.
                                                                                                                                                                                                                                                            MALYANKAR U M
                                                                                                                                                                                                             Α. S.
                                                                                                                                                                                                                                                                                                     ZERHUSEN B D.
ANDERSON D W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SPADERNA S K.
                                                                                                                                                                                     GUO X.
PATTURAJAN M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
RESULT 1457
ID ARMOOT
                                                                                                                                                                                                                                                                                                                                   ZHONG M. CATTERTON E
                                                                                                                                                                                                                                                                                                                                                                            MILLER C E.
RASTELLI L.
STONE D J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
RESULT 1458
ID ABM83248 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
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181
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                                 Length 299;
                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                  Length
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Anw object standard; protein; 231 AA.
A. contortrix protein C activator protein fragment.
W09842850-A1.
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9
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1.6e-23;
                                                                                            408.5; DB 6
No. 9.6e-24;
                                                                                                                                                                                                                                                                                                                                                                                                                 408.5; DB 8
No. 9.6e-24;
                                ; DB 8;
1.5e-23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 406.5; DB 3
                                                                                                                                                                                                                                                                                                                                                                                                                                       1; protein; 222 AA.
and therapeutic pprotein SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAB08510 standard; protein; 230 AA.
A recombinant protein C activator polypeptide
                                409;
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              407;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     No.
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                                Score Pred.
                                                      181 AA.
NO:98.
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Pred.
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Pred.
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Pred.
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                                                                                                                    181
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29.6%;
Similarity 36.2%;
                                                                                                   Best Local Similarity 37.4%;
RESULT 1460
ID ADN62902 standard; protein;
DE Human NOV18d.
                                29.8%;
38.6%;
                                                                                            29.7%;
37.4%;
                                                      ADA05738 standard; protein;
Human NOV18d protein SEQ ID
WO2003029424-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                 29.7%;
37.4%;
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36.7%;
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GANGOLLI E A.
                                                                                                                                                                                                                                                         ZERHUSEN B D
ANDERSON D W
Luery Match
Best Local Similarity
RESULT 1459
ID ADA05738 stand
DE Human NOV1°
PN WO2003°
PD 10°
                                                                                     CURAGEN CORP
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(INCY-) INCYTE CORP
                                                                                                                                                        MILLET I.
PEYMAN J A.
KEKUDA R.
                                                                                                                                                                                                                                                                         ZHONG M.
CATTERTON E
                                                                                                                                                                                                                                                                                                                              SHENOY S G. SHIMKETS R R
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RESULT 1462
ID AAB08510 standard;
DE A recombinant prote
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Human diagnostic a
WO2004023973-A2.
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                                                                                                                                                                                                                                    MALYANKAR
                                                                                                                                                                                                                                                                                                MILLER C | RASTELLI | STONE D J
                                                                                                                                                                                                                                                                                                                                                                                                 RIEGER D
SPADERNA
                                                                                                                                        26-FEB-2004.
(SMIT/) SMITHSON
(MILL/) MILLET I.
                                                                                                                                                                                                              ¥
                                                                                                                                                                                                                     EDINGER S
ELLERMAN
                                                                                                                                                                                                                                                                                                                        闰
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                                                                                                                                  US2004038223-A1
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(PEYM/)
(KEKU/)
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(EISE/)
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                                                                                                                                                                                                                                                                                               (MILL/
(RAST/
(STON/
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                                                                                                                                                                                                                                                                                                                                             (ROTH/
(LEAC/
(AGEE/
(BERG/
                                                                                                                                                                                                                                                                                                                                                                                          GANG/
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(GUOX/
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(ELLE/
(MALY/
(ORTT/
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residue
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                                                                                                            21
                                                                                                                                                                                        Length 220;
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                               Length
                                                                                                           Length
                                                                                                                                                                                                                                                                   Length
                                                                                                                                      ABM84665 standard; protein; 220 AA.
Human diagnostic and therapeutic pprotein SEQ ID NO:4914
WO2004023973-A2.
                                                                      (218)
                                                                                                                                                                                                                              activator polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                     Deinagkistrodon acutus venom thrombin-like protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               401.5; DB 5;
No. 4.6e-23;
                                                                                                                                                                                                                                                                    и
,,
                                                                                     13-MAY-1998.
(SHAN-) SHANGHAI BIO-CHEM INST CHINESE ACAD SCI.
Pry Match
29.5%; Score 405.5; DB 5
rt Local Similarity 36.5%; Pred. No. 2e-23;
                               Score 406.5; DB 2 Pred. No. 1.8e-23;
                                                                                                                                                                                       Score 405; DB 8;
Pred. No. 2.2e-23;
                                                                                                                                                                                                                                                                                                                                              3.3e-23
                                                                                                                                                                                                                                                                                                                                                                                                                           DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 2;
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                                                                                                                                                                                                                                                                   ; DB
e-23;
                                                                                                                                                                                                                                                                                                          venom.
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                                                                                                                                                                                                                                                                   Score 403.5
Pred. No. 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ratroxobin, a snake veree.

KR98002267-A.
30-MAR-1998.

(MOKA-) MOKAM BIOTECHNOLOGY RES INST.
29.1%; Score 400;
                                                                                                                                                                                                                                                                                                                                              403;
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 402;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                           Score 402;
Pred. No.
                                                                                                                                                                                                                                                                                              234 AA.
from snake
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Pred.
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Pred.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        255 AA
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                                                                                                                                                                                                                                                                                                                                                                            255
                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAR05436 standard; protein; 25
Batroxobin gene product.
JP02124092-A.
11-MAY-1990.
(FUJI ) FUJISAWA PHARM CO LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         S SQUIBB (29.3%; 832.9%; 1
                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 36.7%;
RESULT 1468
ID AAP81333 standard; protein; 2
DE Batroxobin.
PN JP63049084-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        04-APR-2002.
(MILL-) MILLENNIUM PHARM INC.
ery Match
29.2%;
29.2%;
                                                                                                                                                                                                                                                         INSTRUMENTATION LAB.
                                                                                                                                                                                       29.5%;
36.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      29.3%;
                               29.6%;
36.2%;
                                                                                                                                                                                                                                                                  29.4%;
                                                                                                                                                                                                                                                                                            AAR20557 standard; protein;
Fibrinogenolytic protein #4
DE4023699-A.
                                                                                                                                                                                                                                                                                                                                                                                                                           29.3%;
32.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               17-JUN-1999.
(BRIM ) BRISTOL-MYERS
TY Match
                                                                                                                Best Local Similarity
RESULT 1465
ID ABM84665 standard; p
DE Human diagnostic and
PN WO2004023973-A2.
PD 25-MAR-2004.
PA (INCY-) INCYTE CORP.
                                                                                                                                                                    25-MAR-2004.
(INCY-) INCYTE CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAY17869 standard;
Araraca batroxobin.
WO9929838-Al.
                                                                                                                                                                                               Best Local Similarity RESULT 1466
                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 1469
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAM52946 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity RESULT 1472
                                        Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
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(YAMA/) YAMASHINA
                                                                                                                                                                                                                                                                                                                                     BASF AG.
                                                                                                                                                                                                                                                                                                                            30-JAN-1992
Query Match
Best Local S
RESULT 1464
ID ABB09F
DE Deir
PN C
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Pred. No

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RESULT 1489
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          RESULT
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ز.
                             NO:4
                                                                                                                                      ; DB 2;
1.7e-22;
                                                              Score 395.5; DB 3 Pred. No. 1.4e-22;
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Pred. No. 5.5e-22;
                                                                                                                                                                                                               ; DB 2;
2e-22;
                                                                                                                                                                                                                                                                                        DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                        ; DB 6;
3.9e-22;
                                                                                                                                                                                                                                                                                                                                                               7;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         389; DB 7;
No. 4.3e-22
 5.6e-23
                                                                                                                                                                                                                                        ABM82831 standard; protein; 233 AA.
Human diagnostic and therapeutic pprotein SEQ WO2004023973-A2.
25-MAR-2004.
(INCY-) INCYTE CORP.
                                                                                                                                                                                                                                                                                                                                                               391; DB 7
No. 3e-22;
                                                                                                                                                                 AAR20556 standard; protein; 236 AA.
Fibrinogenolytic protein #3 from snake venom.
DE4023699-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB
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                           SEQ
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Pred. No. 2
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Pred. No. 3
                                                                                                                                    Score 394;
Pred. No. 1
                                                                                                                                                                                                                                                                                        392;
No.
                                                                                                                                                                                                                                                                                                                                                                                                   Trypsin domain consensus sequence, PFAM US2002165152-A1.
07-NOV-2002.
(KAPE/) KAPELLER-LIBERMANN R.
                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 389;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 387;
Pred. No.
                  264 AA.
(mBSSP5)
                                                                                                                              (MOKA-) MOKAM BIOTECHNOLOGY RES INST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADE58223 standard; protein; 253 AA.
Human Protein P00746, SEQ ID NO 4094
WO2003016475-A2.
27-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
                                                                                                                                                                                                                                                                                        Score
Pred.
                                                                                        Flaboxobin, a snake venom protease KR98002267-1
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                                                                                                                                                                                                                                                                                                                                                                                           227 AA
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                                                    IND LTD.
28.8%;
39.1%;
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36.8%;
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36.8%;
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38.5%;
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38.0%;
                                                                                                                                                                                                                                                                                                                                                                                          protein;
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38.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human adipsin protein; US2003092620-A1.
               AAB11711 standard; protein;
Mouse serine protease BSSP5
WO200031243-A1.
                                                                                                                                                                                                                                                                                                        AAE39993 standard; protein;
Human adipsin protein #2.
US2003092620-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAP70758 standard; protein;
Pig pancreas elastase-2.
JP62000276-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           28.2%;
34.28;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (GEHO) GEN HOSPITAL CORP
(FARB) BAYER AG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SANKYO CO LTD
                                            02-JUN-2000.
(FUSO ) FUSO PHARM
                                                                       Local Similarity
                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 1478
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 1481
                                                                                                                                               Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                          ABG75785 standard;
Best Local Similarity
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Best Local Similarity
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                                                                                                                                                                                                      (BADI ) BASF AG.
                                                                                                          KR98002267-A.
                                                                                                                                                                                                                                                                                                                                             15-MAY-2003
(GEST ) GEN
                                                                                                                                                                                             30-JAN-1992
         LT 1473
AAB11711
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RESULT 1474
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Human prostatic carcinoma derived DNA SEQ ID 233 #4
WO2004076614-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human prostatic carcinoma derived protein SEQ ID WO2004076614-A2.
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9
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Pred. No. 6.7e-22;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 385.5; DB 8; Pred. No. 8.4e-22;
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No. 6.7e-22;
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Pred. No. 7.4e-22;
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7.9e-22;
                                                                                                                                                                           DB
-22;
                                                                                                                                                                                                                        386.5; DB
No. 7e-22;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 28.1%; Score 386; D
Best Local Similarity 39.1%; Pred. No. 7.9
RESULT 1485
ID ABM82830 standard; protein; 212 AA.
DE Human diagnostic and therapeutic pprotein PN WO2004023973-A2.
PD 25-MAR-2004.
PA (INCY-) INCYTE CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity 36.3%; Pred. No. 6.7 RESULT 1486
ID ABM82644 standard; protein; 212 AA.
DE Human diagnostic and therapeutic pprotein PN WO2004023973-A2.
PD 25-MAR-2004.
PD 25-MAR-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                              Score 386.5;
Pred. No. 7e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        protein; 271 AA.
of trypsin-like domain
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Pred. No. 7
                                                                                                264 AA.
(hBSSP5)
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target
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Pred.
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Query Match
Best Local Similarity 36.8%; Free RESULT 1484

ID ABU09382 standard; protein; 271
DE Consensus sequence of trypsin-lip WO2003031463-A2.
PD 17-APR-2003.
PA (MILL-) MILLENNIUM PHARM INC.
PA (MILL-) MILLENNIUM PHARM INC.
AMATCH 28.1%; SC
est Local Similarity 38.5%,
ULT 1482
AAB11710 standard; protein; 26,
Human serine protease BSSP5 (h
WO200031243-A1.
02-JUN-2000.
(FUSO ) FUSO PHARM IND LTD.
THE SERVEN CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRA
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Tumour-associated antigenic to
WO2004030615-A2.
15-APR-2004.
(GETH ) GENENTECH INC.
nery Match
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36.3%;
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40.2%;
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36.3%;
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(HINZ/) HINZMANN B.
(DAHL/) DAHL E.
(ROSE/) ROSENTHAL A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (HINZ/) HINZMANN B.
(DAHL/) DAHL E.
(ROSE/) ROSENTHAL A.
(HERM/) HERMANN K.
(PILA/) PILARSKY C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2004.
2004.
2004.
Lucy Match
Best Local Similarity
RESULT 1487
ID ABM81778 stard
DE Tumour-ar
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(ROSE/)
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SEQ:4580

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171;
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                                                                                                                                                                                                                                                                                   ; DB 2;
1.4e-21;
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ID AAU79393 standard; protein; 171 AA.
DE Novel human kallikrein KLK15, splice variant #3
PN WO200214485-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                          cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       clone phg31
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Pred. No. 1.5e-21;
                                                                              ; DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 8;
                                                                                                                                                                                383; DB 2;
No. 1.3e-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    382.5; DB No. 9.2e-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     382; DB 2;
No. 1.5e-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABM82642 standard; protein; 212 AA.
Human diagnostic and therapeutic pprotein SEQ
WO2004023973-A2.
                                                                                                                                                                                                                                                                                                                                                                           382.5;
No. 9.
                                                                                                                                                                                                                                                                                                                                                                                                              1 AA.
endocrine
                                                                              Score 384;
Pred. No. 1
                                                                                                                                                                                                                                                                                   Score 383;
Pred. No. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           382;
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAR05772 standard; protein; 250 AA.

Human adipsin gene product from the c
WO9006365-A.

14-JUN-1990.

(BETH-) BETH ISRAEL HOSPITAL ASSOC.

(DANA-) DANA-FARBER CANCER INST.

(META-) METABOLIC BIOSYSTEMS INC.

(BETH-) BETH ISRAEL HOSPITAL ASSOC.

DUCY MATCH

27.8%; SCORE 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity 38.4%; Pred. NotesULT 1498

ID ADE58221 standard; protein; 263 AA.

DE Rat Protein AAB31922, SEQ ID NO 4092

PN WO2003016475-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; 250 AA. from the
                                                                                                                                                                                Score
Pred.
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Pred.
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Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; 250 AA.
a cDNA.
                                                                                                                                                                                                                                                                                                                                                            MOUNT SINAI HOSPITAL.
27.8%; Score
Similarity 35.8%; Pred.
                                                                                                                                                                                                                  protein; 272 AA polypeptide.
                                                                                                                258 AA
                                                                                                                                                                                                                                                                                                                                                                                                              171
of 6
                                                                                                                                                                                                                                                                                                                                                                                                         ADN10933 standard; protein; 171
Human kallikrein 15, marker of
WO2004029285-A2.
08-APR-2004.
(MOUN ) MOUNT SINAI HOSPITAL.
uery Match
est Local Similarity 35.8%; Pr
ULT 1490

AAP61724 standard; protein,
Porcine elastase II.
JP61192289-A.
26-AUG-1986.
(KIRI ) KIRIN BREWERY KK.

27.9%; ;
                                                                                                             AAR07513 standard, protein; 2:
Ancrod-like polypeptide #2.
EP395375-A.
31-OCT-1990.
(GLAX ) GLAXO INC.
(KNOL ) KNOLL AG.
                                                                                                                                                                                27.9%;
34.3%;
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35.5%;
                                                                                                                                                                                                                                                                                    27.9%;
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1 27.8%;
Similarity 38.4%;
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Human adipsin/D encoded by a
WO9001540-A.
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(INCY-) INCYTE CORP.
Query Match
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                                                                                                                                                                                         Best Local Similarity
RESULT 1492
ID AAR05775 standard;
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1494
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Best Local Similarity
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(BADI ) BASF AG.
(BACH/) BACH A.
                                                                                                                                                                                                                                                                                                                                                    21-FEB-2002.
(MOUN ) MOUN
ery Match
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(CALB-) CAL
                                                                              Query Match
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RESULT
ID AA
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ID AD
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PD 27-FEB-2003.
PA (GEHO) GEN HOSPITAL CORP.
PA (GEHO) GEN HOSPITAL CORP.
PA (FARB) BAYER AG.
Query Match
Best Local Similarity 37.6%; Pred. No. 1.9e-21;
RESULT 1499
ID ADN99596 standard; protein; 187 AA.
DE Novel human protein sequence #412.
PN WO2004038003-A2.
PD 06-MAY-2004.
PA (FIVE-) FIVE PRIME THERAPEUTICS INC.
Query Match
Best Local Similarity 42.7%; Pred. No. 1.7e-21;
RESULT 1500
ID ABU92049 standard; protein; 220 AA.
DE Human protein modification and maintenance molecule-29 (PMMM-29)
RN WO2003031939-A2.
DD 17-APR-2003.
PA (INCY-) INCYTE GENOMICS INC.
Query Match
Best Local Similarity 37.2%; Pred. No. 2.2e-21;
Best Local Similarity 37.2%; Pred. No. 2.2e-21;
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version
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 GenCore
(c) 1993
        Copyright
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GO; GO:0004252; F:serine-type endopeptidase activity; NAS.

GO; GO:0004252; F:serine-type endopeptidase activity; NAS.

GO; GO:0006508; P:proteolysis and peptidolysis; NAS.

InterPro; IPR00103; Pept Ser Cys.

InterPro; IPR001314; Peptidase_S1.

InterPro; IPR001314; Peptidase_S1A.

Pfam; PF00089; Trypsin; 1.

PRNTS; PR00722; CHYMOTRYPSIN.

SMART; SM00020; Tryp_SPC; 1.

PROSITE; PS50240; TRYPSIN DOM; 1.

PROSITE; PS00134; TRYPSIN HIS; 1.

PROSITE; PS00135; TRYPSIN SER; 1.

Alternative splicing; Glycoprotein; Hydrolase; Serine protease;
Escobar J., Flowers D., Fotopulos D., Garcia C., Georgescu A.M., Glavina T., Gomez M., Gonzales E., Groza M., Hammon N., Hawkins Haydu L., Ho I., Huang W., Israni S., Jett J., Kadner K., Kimba. Kobayashi A., Larionov V., Leem S.-H., Lopez F., Lou Y., Lowry & Malfatti S., Martinez D., McCready P.M., Medina C., Morgan J., Nelson K., Nolan M., Ovcharenko I., Pitluck S., Pollard M., Popkie A.P., Predki P., Quan G., Ramirez L., Rash S., Retterer G. Popkie A.P., Rogers S., Salamov A., Salazar A., She X., Smith Islezak T., Solovyev V., Thayer N., Tice H., Tsai M., Ustaszewski Vo N., Wagner M., Wheeler J., Wu K., Xie G., Yang J., Dubchak I Furey T.S., DeJong P., Dickson M., Gordon D., Eichler E.E., Pennacchio L.A., Richardson P., Stubbs L., Rokhsar D.S., Myers F. Rubin E.M., Lucas S.M.;

"The DNA sequence and biology of human chromosome 19.";

Nature 428:529-535(2004).

- I - SUBCELLULAR LOCATION: Secreted (Probable).
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BB473E98F8BAF703
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SIMILARITY: Belongs to the peptidase
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Kallikrein
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EMBL; AF135025; AAF06065.1; -..
EMBL; AF243527; AAG33365.1; -..
EMBL; AY358524; AAQ8888.1; -..
EMBL; AC011473; AAG23258.1; -..
HSSP; P00760; 1EZX.
MEROPS; S01.020; -..
Genew; HGNC:6360; KLK12.
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ALTERNATIVE PRODUCTS
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MIM; 60
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SEQUENCE FROM N.A.

STRAIN=C57BL/6J; TISSUE=Tongue;

MEDLINE=99279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9;

A Carninci P., Hayashizaki Y.;

"High-efficiency full-length cDNA cloning.";

Meth. Enzymol. 303:19-44(1999).

[2]

SEQUENCE FROM N.A.

STRAIN=C57BL/6J; TISSUE=Tongue;

MEDLINE=21085660; PubMed=11217851; DOI=10.1038/35055500;

RIKEN FANTOM Consortium;

"Functional annotation of a full-length mouse cDNA collection.";

Nature 409:685-690(2001).
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                                                                                                                            MGLSIFLLLCVLGLSQAATPKIFNGTECGRNSQPWQVGLFEGTSLRCGGVLIDHRWVLTA
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STRAIN=C57BL/6J; TISSUE=Tongue;
MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100;
Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itoh Konno H., Okazaki Y., Muramatsu M., Hayashizaki Y.;
Normalization and subtraction of cap-trapper-selected cDNAs to prepare full-length cDNA libraries for rapid discovery of new genes Genome Res. 10:1617-1630(2000).
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Murinae; Mus
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01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Mus musculus adult male tongue cDNA, RIKEN full-length enriched
library, clone:2310008B01 product:similar to KALLIKREIN 12 (EC
3.4.21.-) (KALLIKREIN-LIKE PROTEIN 5) (KLK-L5) (Fragment).
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1374; DB 1;
No. 3.5e-102;
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STRAIN=C57BL/6J; TISSUE=Tongue;
The FANTOM Consortium,
the RIKEN Genome Exploration Research Group
"Analysis of the mouse transcriptome based c
60,770 full-length cDNAs.";
Nature 420:563-573(2002).
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Mammalia; Eutheria; Rodentia;
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SEQUENCE FROW N.A.

STRAIN=C57BL/60; TISSUE=Tongue;
Adachi J., Aizawa K., Akahira S., Akimura T., Arai A., Aono H.,
Arakawa T., Bono H., Carninci P., Fukuda S., Fukunishi Y., Furuno M.,
Arakawa T., Bono H., Carninci P., Fukuda S., Fukunishi Y., Furuno M.,
Hanagaki T., Hara A., Hayatsu N., Hiramoto K., Hiracka T., Hori F.,
M. Hanagaki T., Ishii Y., Itoh M., Izawa M., Kasukawa T., Kato H.,
Kawai J., Kojima Y., Konno H., Kouda M., Koya S., Kurihara C.,
M. Atsuyama T., Miyazaki A., Nishi K., Nomura K., Numazaki R., Ohno M.,
M. Asasaki Y., Okido T., Owa C., Saito H., Salto R., Sakai C., Sakai T.,
Sano H., Sasaki D., Shibata K., Shibata Y., Shinagawa A., Shizaki T.,
Sano H., Sasaki D., Shibata K., Shibata Y., Shinagawa A., Shizaki T.,
Sano H., Sasaki D., Shibata K., Shibata Y., Shinagawa A., Shizaki T.,
Sano H., Sasaki D., Shibata K., Shibata Y., Shinaska T.,
Sano H., Sasaki D., Shibata K., Shibata Y., Shibata K., Shibata 
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Y., Hori F
Yo H.,
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            STRAIN=C57BL/6J; TISSUE=Tongue;

MEDLINE=20530913; PubMed=11076861; DOI=10.1101/gr.152600;

Shibata K., Itoh M., Aizawa K., Nagaoka S., Sasaki N., Carninci P., Konno H., Akiyama J., Nishi K., Kitsunai T., Tashiro H., Itoh M., Sumi N., Ishii Y., Nakamura S., Hazama M., Nishine T., Harada A., Yamamoto R., Matsumoto H., Sakaguchi S., Ikegami T., Kashiwagi K., Fujiwake S., Inoue K., Togawa Y., Izawa M., Ohara E., Watahiki M., Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsuura S., Kawai J., Yoneda Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y.; "RIKEN integrated sequence analysis (RISA) system-384-format sequencing pipeline with 384 multicapillary sequencer.";
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70.6%; Pred. No. 1.9e-68;
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SMART; SM00020; Tryp_SPc; 1.
PROSITE; PS50240; TRYPSIN_DOM; 1.
PROSITE; PS00134; TRYPSIN_HIS; UNKNOWN_1
PROSITE; PS00135; TRYPSIN_SER; 1.
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KLK8\_HUMAN

RESULT

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REDLINE=22887296; PubMed=12975309; DOI=10.1101/gr.1293003;

X REDLINE=22887296; PubMed=12975309; DOI=10.1101/gr.1293003;

Clark H.F., Gurney A.L., Abaya E., Baker K., Baldwin D., Brush J.,

Chen J., Chow B., Chui C., Crowley C., Currell B., Deuel B., Dowd P.,

Eaton D., Foster J., Grimaldi C., Gu Q., Hass P.E., Heldens S.,

Huang A., Kim H.S., Klimowski L., Jin Y., Johnson S., Lee J.,

Lewis L., Liao D., Mark M., Robbie E., Sanchez C., Schoenfeld J.,

Seshagiri S., Simmons L., Singh J., Smith V., Stinson J., Vagts A.,

Vandlen R., Watanabe C., Wieand D., Woods K., Xie M.-H., Yansura D.,

Yi S., Yu G., Yuan J., Zhang M., Zhang Z., Goddard A., Wood W.I.,

"The secreted protein discovery initiative (SPDI), a large-scale

T effort to identify novel human secreted and transmembrane proteins: a

Genome Res. 13:2265-2270(2003).
                                                                                                                                                                                 8) (Ovasin) (Serine expressed gene-14
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE FROM N.A. (ISOFORMS 1 AND 2).
TISSUE=Brain;
MEDLINE=99203457; PubMed=10102990;
Mitsui S., Tsuruoka N., Yamashiro K., Nakazato H., Yamaguchi N.;
Mitsui S., Tsuruoka N., Yamashiro K., nakazato H., Yamaguchi N.;
Mitsui S., Tsuruoka N., Yamashiro K., Nakazato H., Yamaguchi N.;
Mitsui S., Tsuruoka N., Yamashiro K., Nakazato H., Yamaguchi N.;
Mitsui S., Tsuruoka N., Yamashiro K., Nakazato H., Yamaguchi N.;
Mitsui S., Tsuruoka N., Yamashiro K., Nakazato H., Yamaguchi N.;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TISSUE=Hippocampus;
MEDLINE=98372070; PubMed=9714609; DOI=10.1016/S0378-1119(98)00232-7;
Yoshida S., Taniguchi M., Hirata A., Shiosaka S.;
"Sequence analysis and expression of human neuropsin cDNA and gene."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gan L., Gelinas R., Gown A.M., Moss P., Smith R., Wang K.; "Molecular cloning and characterization of a novel serine protease, ovasin, a potential molecular marker for ovarian carcinomas."; submitted (SEP-1998) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE OF 1-164 FROM N.A. (ISOFORM 1).
Lamerdin J.E., McCready P.M., Skowronski E., Viswanathan V.,
Burkhart-Schultz K., Gordon L., Dias J., Ramirez M., Stilwagen S.,
Phan H., Velasco N., Do L., Regala W., Terry A., Brower A., Garne
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Underwood L.J., Tanimoto H., Wang Y., Shigemasa K., Parmley T.H.,
                                                                                                                                                                                                                                                                                                                                                            Euteleostomi; Homo.
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PubMed=11054574; DOI=10.1016/S0378-1119(00)00382-6;

Gan L., Lee I., Smith R., Argonza-Barrett R., Lei H., McCuaig

Moss P., Paeper B., Wang K.;

"Sequencing and expression analysis of the serine protease ger

cluster located in chromosome 19q13 region.";

Gene 257:119-130(2000).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   O'Brien T.J.;
"Cloning of tumor-associated differentially expressed
serine protease overexpressed by ovarian carcinoma.";
Cancer Res. 59:4435-4439(1999).
                                                                                                                                                                                                                                                                                                                      Homo sapiens (Human).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; NCBI_TaxID=9606;
KLK8 HUMAN STANDARD; PRT; 260 AA. 060259; Q9HCB3; Q9UIL9; Q9UQ47; 15-JUL-1999 (Rel. 38, Created) 15-JUL-1999 (Rel. 38, Last sequence update) 25-OCT-2004 (Rel. 45, Last annotation update) Neuropsin precursor (EC 3.4.21.-) (NP) (Kallikrein protease TADG-14) (Tumor-associated differentially protein) (UNQ283/PRO322).
                                                                                                                                                                                                                                                                                       Name=KLK8; Synonyms=NRPN, PRSS19, TADG14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE FROM N.A. (ISOFORM 1).
TISSUE=Ovary;
MEDLINE=99413504; PubMed=10485494;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eur. J. Biochem. 260:627-634 (1999)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE FROM N.A. (ISOFORM 1).
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  This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
  iked (GlcNAc. . .) (Potential).
AACGSLDLLTKLYAENLPCVHLNPQWPSQPSHCPRG
         S
  the
        Liu
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   В.,
Danganan L., Erler A., Christensen M., Georgescu A., Avila J., Li Andreise T., Trankheim M., Attix C., Amico-Keller G., Coefield J. Duarte S., Lucas S., Bruce R., Thomas P., Quan G., Kronmiller B., Arellano A., Sanders C., Ow D., Nolan M., Trong S., Kobayashi A., Olsen A.S., Carrano A.V.;

"Sequence analysis of chromosome 19q13.4.";

"Sequence analysis of chromosome 19q13.4.";

Submitted (OCT-2000) to the EMBL/GenBank/DDBJ databases.

-!- FUNCTION: Suggested to be involved in kindling epileptogenesi hippocampal plasticity.

-!- CATALYTIC ACTIVITY: Preferential cleavage: Arg-, Lys-.

-!- ALTERNATIVE PRODUCTS:
   similarity).
similarity).
similarity).
  r.
L
              j.
   se;
   IsoId=O60259-2; Sequence=VSP 005401;
TISSUE SPECIFICITY: Isoform 1 is predominantly expressed ir pancreas while isoform 2 is expressed in adult brain and hippocampus. Both forms are also found in fetal brain and placenta. Not detected in kidney, spleen, liver and lung. SIMILARITY: Belongs to the peptidase S1 family. Kallikrein subfamily.
   Serine protea
   MIM; 605644; -.

GO; GO:0008236; F:serine-type peptidase activity; TAS.
GO; GO:0007399; P:neurogenesis; TAS.
InterPro; IPR009003; Pept Ser Cys.
InterPro; IPR001254; Peptidase S1.
InterPro; IPR001314; Peptidase S1.
InterPro; IPR001314; Peptidase S1.
PR001TE; PR00722; CHYMOTRYPSIN.
PROSITE; PS00134; TRYPSIN DOM; 1.
PROSITE; PS00135; TRYPSIN HIS; 1.
PROSITE; PS00135; TRYPSIN HIS; 1.
Alternative splicing; Glycoprotein; Hydrolase; Serine.pro Signal; Zymogen.
SIGNAL 1 28 Potential.
PROPEP 29 32 By similarity.
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   splicing; Named isoforms=2
  Charge relay sy Charge relay sy Charge relay sy By Similarity.
By Similarity.
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By Similarity.
A -> AACGSLDLLT
  Neuropsin.
Charge relay
  Name=1;
IsoId=060259-1; Sequence=Displayed;
Name=2;
  EMBL; AB009849; BAA28673.1; EMBL; AB012761; BAA28676.1; EMBL; AB010780; BAA88684.1; EMBL; AB008390; BAA82665.1; EMBL; AB008927; BAA82666.1; EMBL; AF095742; AAD56050.1; EMBL; AF095742; AAD29574.1; EMBL; AF243527; AAD29574.1; EMBL; AY359036; AAQ89395.1; EMBL; AC011473; AAG23254.1; HSSP; PO0760; 1EZX. MEROPS; S01.244; -.. Genew; HGNC:6369; KLK8.
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328
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  Event=Alternative
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  240
   of more than 15,000 full-length human
  C.,
Y.S.J.,
P.H.,
K.S.W.,
   HCSGSRYWVRLGEHSLSQLDWTEQIRHSGFSVTHPGYLGAST-SHEHDLRLLRLRLPVRV
  TSNMVCAGGVPGQDACQGDSGGPLVCGGVLQGLVSWGSVGPCGQDGIPGVYTYICKYVDW
  TDGMVCAGSSKGADTCQGDSGGPLVCDGALQGITSWGS-DPCGRSDKPGVYTNICRYLDW
   MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
X Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
Alausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
A Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
Brownstein M.J., Usdin T.B., Bonaldo M.F., Carainci P., Prange C.,
Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
A Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
A Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
A Nilalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
A Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
A Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
A Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
A Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
A Jones S.J., Marra M.A.;

"Generation and initial analysis of more than 15,000 full-length human "Generation and initial analysis of more than 15,000 full-length human "Generation and initial analysis of more than 15,000 full-length human "Generation"
   ¥.S.
  VLIDHRWVLTAA
  TSSVQPLPLPNDCATAGTECHVSGWGITNHPRNPFPDLLQCLNLSIVSHATCHGVYPGRI
  GSKVKPISLADHCTQPGQKCTVSGWGTVTSPRENFPDTLNCAEVKIFPQKKCEDAYPGQI
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  J.E.,
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   Homo sapiens (Human).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Eutelé
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo
  IFLLL - - - CVLGLSQAATPKIFNGTECGRNSQPWQVGLFEGTSLRCGG
   Length
  Indels
   TISSUE=Brain;
Strausberg R.;
Submitted (DEC-2002) to the EMBL/GenBank/DDBJ databases.
                  /FTId=VSP_005401.
EF439E5B8C83E660 CRC64;
6
isoform
   (TrEMBLrel. 23, Created)
(TrEMBLrel. 23, Last sequence update)
(TrEMBLrel. 26, Last annotation update)
   99:16899-16903 (2002)
  Score 630.5; DB 1;
Pred. No. 1.3e-42;
  260
   PRT;
  24;
   28048 MW;
   U.S.A.
   Similarity 50.2%; Similarity 50.2%;
   sednences."
   PRELIMINARY;
   245
   260 AA;
  256
  SEQUENCE FROM N.A.
   FROM N.A
   Proc. Natl. Acad.
  NCBI_TaxID=9606;
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01-MAR-2004 (Tr
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Matches 123
  252
  121
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   SEQUENCE
   Q8IW69;
Q8IW69;
   RESULT
   Q8IW69
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TINICRYLDW
  62 HCSGSRYWVRLGEHSLSQLDWTEQIRHSGFSVTHPGYLGAST-SHEHDLRLLRLRLPVRV
   DHRWVLTAA
  TYICKYVDW
   13 MFLLLGGAWAGHSRAQEDKVLGGHECQPHSQPWQAALFQGQQLLCGGVLVGGNWVLTAA
   CHGVYPGRI
   hromosome
   Gaps
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   Tanaka
  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleos
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae
NCBI TaxID=10090;
  260
   limbic
  υ
  5 IFLLL --- CVLGLSQAATPKIFNGTECGRNSQPWQVGLFEGTSLRCGGVLI
   TSSVOPLPLPNDCATAGTECHVSGWGITNHPRNPFPDLLQCLNLSIVSHAT
  TSNMVCAGGVPGQDACQGDSGGPLVCGGVLQGLVSWGSVGPCGQDGIPGVY
  t
0
  Length
   Indels
   Prss19
  to the EMBL/GenBank/DDBJ databases
   SEQUENCE FROM N.A.
STRAIN=BALB/c; TISSUE=Hippocampus;
MEDLINE=95348817; PubMed=7623137;
Chen Z.-L., Yoshida S., Kato K., Momota Y., Suzuki J.,
Ito J., Nishino H., Aimoto S., Kiyama H., Shiosaka S.;
"Expression and activity-dependent changes of a novel protease gene in the hippocampus.";
J. Neurosci. 15:5088-5097(1995).
   protease.
                                    IEA
  Q61955;
15-JUL-1999 (Rel. 38, Created)
15-JUL-1999 (Rel. 38, Last sequence update)
25-OCT-2004 (Rel. 45, Last annotation update)
     GO; GO: 0004263; F: chymotrypsin activity; IEA.
GO; GO: 0008233; F: peptidase activity; IEA.
GO; GO: 0004295; F: trypsin activity; IEA.
GO; GO: 0006508; P: proteolysis and peptidolysis; IEJ
InterPro; IPR001254; Peptidase S1.
InterPro; IPR001314; Peptidase S1.
InterPro; IPR009003; Pept Ser Cys.
Pfam; PF00089; Trypsin; 1.
PRINTS; PR00722; CHYMOTRYPSIN.
SMART; SM00020; Tryp SPC; 1.
PROSITE; PS50240; TRYPSIN DOM; 1.
PROSITE; PS00134; TRYPSIN ER; UNKNOWN 1.
   Yoshida S., Hirata A., Inoue N., Shiosaka S.; "Cloning and assignment of mouse neuropsin gene,
   7
  93;
   Score 627.5; DB 2 Pred. No. 2.2e-42;
  260 AA
  24; Mismatches
   [3]
SEQUENCE FROM N.A.
STRAIN=Czech II; TISSUE=Mammary gland;
   Neuropsin precursor (EC 3.4.21.-)
Name=Klk8; Synonyms=Nrpn, Prss19;
   28090 MW;
   45.7%;
  Serine
  Conservative
  STANDARD;
   Submitted (SEP-1999)
   Protease;
  (Mouse)
  260 AA;
  al Similarity
123; Conser
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   256
   SEQUENCE FROM N.A. Yoshida S., Hirata
   |: |:
|KK||
   IRMIM
   Mus musculus
  Hydrolase;
   121
  241
   193
   SEQUENCE
  181
  Match
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MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
Altachul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
Altachul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
Altachul S.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,
Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.;

"Generation and initial analysis of more than 15,000 full-length human
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   system of pyramidal

kindling epileptogenesis.";
J. Biol. Chem. 274:4220-4224(1999).
-!- FUNCTION: Suggested to be involved in kindling epileptogenesis and hippocampal plasticity. Has a strong proteolytic activity against fibronectin.
-!- CATALYTIC ACTIVITY: Preferential cleavage: Arg-, Lys-.
-!- ENZYME REGULATION: Strongly inhibited by diisopropylellorophosphate, leupeptin and (4-amidinophenyl)methanesulfonyl 1-

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;
   Kishi T., Kato M., Shimizu T., Kato K., Matsumoto K., Yoshida S.,
Shiosaka S., Hakoshima T.;
"Crystal structure of neuropsin, a hippocampal protease involved in
   SEQUENCE OF N-TERMINUS, CHARACTERIZATION, AND MASS SPECTROMETRY. STRAIN=BALB/c; TISSUE=Brain;
MEDLINE=98225202; PubMed=9556608; DOI=10.1074/jbc.273.18.11189;
Shimizu C., Yoshida S., Shibata M., Kato K., Momota Y., Matsumoto I Shiosaka T., Midorikawa R., Kamachi T., Kawabe A., Shiosaka S.; "Characterization of recombinant and brain neuropsin, a plasticity-related serine protease.";
J. Biol. Chem. 273:11189-11196(1998).
   MASS SPECTROMETRY: MW=26229; METHOD=MALDI; RANGE=33-260; NOTE=Ref.4. SIMILARITY: Belongs to the peptidase S1 family. Kallikrein
   X-RAY CRYSTALLOGRAPHY (2.1 ANGSTROMS) OF 33-257.
TISSUE=Hippocampus;
MEDLINE=99134351; PubMed=9933620; DOI=10.1074/jbc.274.7.4220;
Kishi T., Kato M., Shimizu T., Kato K., Matsumoto K., Yoshida
   SUBCELLULAR LOCATION: Secreted.

TISSUE SPECIFICITY: Expressed specifically in the limbic mouse brain and is localized at highest concentration in neurons of the hippocampal CA1-3 subfields.

MASS SPECTROMETRY: MW=26613; METHOD=MALDI; RANGE=29-260;
   and mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
  IPR009003; Pept_Ser_Cys.
  PIR; IS6559; IS6559.
PDB; INPM; X-ray; A/B=33-256
   EMBL; D30785; BAA06451.1;
EMBL; AB032202; BAA92435.1
EMBL; BC055895; AAH55895.1
PIR; IS6559; IS6559.
   MEROPS; S01.244;
MGD; MGT: 892018;
InterPro; IPR009
   subfamily.
  fluoride.
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            TSNMVCAGGVPGQDACQGDSGGPLVCGGVLQGLVSWGSVGPCGQDGIPGVYTYICKYVDW
   TSSVQPLPLPNDCATAGTECHVSGWGITNHPRNPFPDLLQCLNLSIVSHATCHGVYPGRI
  GDKVKPVQLANLCPKVGQKCIISGWGTVTSPQENFPNTLNCAEVKIYSQNKCERAYPGKI
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  Euteleostomi;
Murinae; Rattus
   similarity).
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  MEDLINE=98389725; PubMed=9722524; DOI=10.1074/jbc.273.36.23004; MEDLINE=98389725; PubMed=9722524; DOI=10.1074/jbc.273.36.23004; Davies B.J., Pickard B.S., Steel M., Morris R.G.M., Lathe R.; Davies B.J., Pickard B.S., Steel M., Morris R.G.M., Lathe R.; Davies B.J., Pickard B.S., Steel M., Morris R.G.M., Lathe R.; J. Biol. Chem. 273:23004-23011(1998).

-!- FUNCTION: Suggested to be involved in kindling epileptogene hippocampal plasticity. Has a strong proteolytic activity a fibronectin (By similarity).

-!- CATALYTIC ACTIVITY: Preferential cleavage: Arg-, Lys-.

-!- SUBCELLULAR LOCATION: Secreted (By similarity).

-!- TISSUE SPECIFICITY: Restricted to hippocampus.

-!- TISSUE SPECIFICITY: Restricted to hippocampus.
   (Brain
  Zymogen
   8
  Name=Klk8; Synonyms=Bspl, Nrpn, Prss19;
Rattus norvegicus (Rat).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; E
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae;
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   Signal;
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   EMBL; AJ005641; CAA06643.1; -.
HSSP; Q61955; 1NPM.
MEROPS; S01.244; -.
InterPro; IPR009003; Pept Ser Cys.
InterPro; IPR001254; Peptidase_S1.
InterPro; IPR001314; Peptidase_S1.
InterPro; IPR001314; Peptidase_S1A.
Pfam; PF00089; Trypsin; 1.
PRINTS; PR00722; CHYMOTRYPSIN.
SMART; SM00020; Tryp_SPC; 1.
PROSITE; PS00134; TRYPSIN DOM; 1.
PROSITE; PS00134; TRYPSIN HIS; 1.
PROSITE; PS00135; TRYPSIN ER; 1.
Glycoprotein; Hydrolase; Serine protease; Signature SIGNAL 1 28 Potential.
PROPEP 29 32 By similarity.
CHAIN 33 260 Neuropsin.
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5-JUL-1999 (Rel. 38, Last sequence update)
5-OCT-2004 (Rel. 45, Last annotation updat
7europsin precursor (EC 3.4.21.-) (NP) (Kal
   N.A.
ir; TISSUE=Brain;
   STANDARD;
  247
   Neuropsin precursor protease 1).
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  IRMIMRN
   SEQUENCE FROM N. STRAIN=Fischer;
   subfamily
   protease 1)
Name=K1k8;
  RAT
NRPN RAT
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  Score 622.5; DB 1;
Pred. No. 5.6e-42;
; Mismatches 93;
  BESF6F6BE37CD60E
  (GlcNAc
InterPro; IPR001254; Peptidase_S1.
Pram, Pr001314; Peptidase_S1A.
Pfam, Pr001314; Peptidase_S1A.
Pfam, Pr001314; Peptidase_S1A.
PROSITE; PS00135; TRYPSIN DOM; 1.
Serine procease; Signal; Sympogen.
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   Neuropsin.
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   LGLSOAATPKI
  Query Match
Best Local Similarity 49.0%
Matches 121; Conservative
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   member
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RAYPGKITE
  IFILL-CVLGLSQAATPKIFNGTECGRNSQPWQVGLFEGTSLRCGGVLIDHRWVLTAAHC
   LRLPVRVTS
  CONSANLGD
   NMVCAGGVPGQDACQGDSGGPLVCGGVLQGLVSWGSVGPCGQDGIPGVYTYICKYVDWIR
   GMVCAGSSNGADTCQGDSGGPLVCNGVLQGITTWGS-DPCGKPEKPGVYTKICRYTNWIK
   LFLLMGAWAGLTRAGGSKILEGQECKPHSOPWOTALFOGERLVCGGVLVGDRWVLTAAHC
  Gaps
   SEQUENCE FROM N.A. (150. 110. 110. 1006/bbrc. 2000. 2761;
TISSUB=Hippocampus, and Prostate;
MEDLINE=20329229; PubMed=10872828; DOI=10.1006/bbrc. 2000. 2761;
Mitsui S., Yamada T., Okui A., Kominami K., Uemura H., Yamaguchi N.;
Mitsui S., Yamada T., Okui A., Kominami K., Uemura H., Yamaguchi N.;
Mitsui S., Yamada T., Okui A., Kominami K., Uemura H., Yamaguchi N.;
"A novel isoform of a kallikrein-like protease, TLSP/hippostasin,
"A novel isoform of a kallikrein-like protease, TLSP/hippostasin,
(PRSS20), is expressed in the human brain and prostate.";
   00116-X;
  Shiosaka S.;
   (Trypsin-like
  tomi;
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   al)
   expression, and hormonal
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  260
  SEQUENCE FROM N.A. (ISOFORM 1).
MEDLINE=20130117; PubMed=10662548; DOI=10.1006/geno.1999.607;
Yousef G.M., Scorilas A., Diamandis E.P.;
"Genomic organization, mapping, tissue expression, and hormon regulation of trypsin-like serine protease (TLSP PRSS20), a of the human kallikrein gene family.";
Genomics 63:88-96(2000).
   TISSUE=Hippocampus; MEDLINE=98438738; PubMed=9765601; DOI=10.1016/S0167-4781(98) Yoshida S., Taniguchi M., Suemoto T., Oka T., He X.P., Shios "cDNA cloning and expression of a novel serine protease, TLS
   Euteleos
  (Potenti
   SGSRYWVRLGEHSLSQLDWTEQIRHSGFSVTHPGYLGAS-TSHEHDLRLLR
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N-linked (GlCNAc. .) (Poc. 74: 58DF4F0602A0B7F5 CRC64; 6.7e-42; 50; Inder 90; Inder
  Length
  Indels
  Hominidae;
  KLKB HUMAN STANDARD,
Q9UBX7; O75837; Q9NS65;
16-OCT-2001 (Rel. 40, Created)
16-OCT-2004 (Rel. 45, Last sequence update)
25-OCT-2004 (Rel. 45, Last annotation update)
Kallikrein 11 precursor (EC 3.4.21.-) (Hippostasin)
protease) (UNQ649/PRO1279).
  Vertebrata;
   Craniata; Vo
Catarrhini;
   Biochim. Biophys. Acta 1399:225-228(1998)
   (ISOFORM 1)
   SEQUENCE FROM N.A. (ISOFORM 1)
  Chordata;
   : Metazoa; Chordata;
Eutheria; Primates;
   28510 MW;
   45.2%;
larity 48.6%;
Conservative
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  l Similarity
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   NCBI TaxID=9606;
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   Homo sapiens
Eukaryota; Me
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Pubmed-11045787 DOE-10. DIGN 50379-11900 00038-2;

Ran L., Beel J., Smith R., Argona-Sarrett R., Left H., Choung J., Ran B. P. Respore B., Wang R. A. A. (1807981 1) 11900 00038-2;

Ran C. Leges B., Rang R. A. (1807981 1) 11900 00038-2;

Ran C. Leges B., Rang R. A. (1807981 1) 11900 00038-2;

Ranger Locted and expression analysis of the merino protease gene (1818-2711-1301280) 11900 00038-2;

Ranger D. Respect B. (1818-1814) 11900 00038-2;

Ranger D., Respect B., Kaltanes B., Kaltanes B., Ranger B., Dood P., Respect B., Ranger B., Ran
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   . Isoform
  LSIFLLLCVLGLSQAATPKIFNGTECGRNSQPWQVGLFEGTSLRCGGVLIDHRWVLTAAH
  LOLILLALATGLVGGET-RIIKGFECKPHSQPWQAALFEKTRLLCGATLIAPRWLLTAAH
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InterPro; IPR001254; Pept Ser Cys.
InterPro; IPR001254; Peptidase S1.
InterPro; IPR001314; Peptidase S1.
Pfam; PF00089; Trypsin; 1.
PROSITE; PS50240; TRYPSIN DOM; 1.
PROSITE; PS00134; TRYPSIN HIS; 1.
PROSITE; PS00135; TRYPSIN SER; 1.
Alternative splicing; Glycoprotein; Hydrolase; Signal; Zymogen.
Signal; Zymogen.
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Signal; Zymogen.
Signal; Zymogen.
Signal; Zymogen.
Signal; Zymogen.
   7:
   89;
  Activation peptide
Kallikrein 11.
  192D910BBCDC7A56
  Score 618.5; DB 1
Pred. No. 1.1e-41;
5; Mismatches 89
  005402
   IsoId=09UBX7-2; Sequence=VSP 005402; TISSUE SPECIFICITY: Expressed in brain, 1 is expressed preferentially in brain; SIMILARITY: Belongs to the peptidase Slaubfamily.
  Charge relay some charge relay some charge relay some charge some some some charge. By similarity. N-linked (GlcN, N-l
  isoform 2)
   Sequence=Displayed;
  EMBL; AB012917; BAA33404.1; ALT_INIT.
EMBL; AB041036; BAA88713.1; -.
EMBL; AB041036; BAA96797.1; -.
EMBL; AF164623; AAD47815.1; -.
EMBL; AF243527; AAG33364.1; -.
EMBL; AC011473; AAG89373.1; -.
EMBL; AC011473; AAG23257.1; -.
EMBL; BC022068; AAH22068.1; -.
HSSP; P00760; 1EZX.
MEROPS; S01.257; -.
Genew; HGNC:6359; KLK11.
H-InvDB; HIX0015375; -.
MIM; 604434; -.
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CLKPRYIVHLGQHNLQKEEGCEQTRTATESFPHPGFNNSLPNKDHRNDIMLVKMASPVSI
   TSSVQPLPLPNDCATAGTECHVSGWGITNHPRNPFPDLLQCLNLSIVSHATCHGVYPGRI
   TSNMVCAG-GVPGQDACQGDSGGPLVCGGVLQGLVSWGSVGPCGQDGIPGVYTYICKYVD
   VVSGWGLVSHNEPGTTGRPQSQVSLPDTLHCANISIISDASCDKNYPGRLTNTMVCAGAE
   KIFNGTECGRNSOPWOVGLFEGTSLRCGGVLIDHRWVLTAAHCSGSRYWVRLGEHSLSOL
  --PRN--PFPDLLQCLNLSIVSHATCHGVYPGRITSNMVCAGGV
  81 DWTEQIRHSGFSVTHPGYLGASTSHEHDLRLLRLRLPVRVTSSVQPLPLPNDCATAGTEC
   cloning
   SEQUENCE FROM N.A.
MEDLINE=21094033; PubMed=11177570; DOI=10.1089/104454900750058080;
Olsson A.Y., Persson A.M., Valtonen-Andre C., Lundwall A.;
"Glandular kallikreins of the cotton-top tamarin: molecular clonin the gene encoding the tissue kallikrein.";
DNA Cell Biol. 19:721-727(2000).
   Saguinus oedipus (Cotton-top tamarin).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi
Mammalia; Eutheria; Primates; Platyrrhini; Callitrichidae; Sagui
NCBI_TaxID=9490;
   255;
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  Last sequence update)
Last annotation update)
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Olsson Y., Persson M., Lundwall A.;
Submitted (FEB-2004) to the EMBL/GenBank/DDBJ datak
-! SIMILARITY: Belongs to peptidase family SI.
EMBL; AF173845; AAS45302.1; -.
HSSP; P00761; 1AKS.
GO; GO:0004263; F:chymotrypsin activity; IEA.
GO; GO:0004295; F:trypsin activity; IEA.
GO; GO:0006508; P:proteolysis and peptidolysis; IE,
InterPro; IPR001254; Peptidase_SI.
InterPro; IPR001314; Peptidase_SIA.
InterPro; IPR009003; Pept_Ser_Cys.
   Query Match
Best Local Similarity 49.4%; Pred. No. 4.6e-41;
Matches 118; Conservative 31; Mismatches 76;
  Pfam; PF00089; Trypsin; 1.
PRINTS; PR00722; CHYMOTRYPSIN.
SMART; SM00020; Tryp_SPc; 1.
PROSITE; PS50240; TRYPSIN DOM; 1.
PROSITE; PS00134; TRYPSIN HIS; UNKNOWN 1.
Hydrolase; Protease; Serine protease.
SEQUENCE 255 AA; 28078 MW; A040914ABC8FEC8D
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  --FPDLLQCLNLSIVSHAT
  IFLLLCVLGLSQAAT - - PKI FNGTECGRNSQPWQVGLFEGTSLRCGGVLIDHRWVLTAAH
   CSGSRYWVRLGEHSLSQLDWTEQIRHSGFSVTHPGYLGASTSHEHDLRLLRLRLPVRVTS
MEDLINE=22325484; PubMed=12437987; DOI=10.1016/S0006-291X(02)02629-3
   Euteleostomi;
   22
  kallikrein locus
   IndelB
   S., Miki T., Yamaguchi N.;
to the EMBL/GenBank/DDBJ databases
   databases
  Length
  PRINTS; PRO0722; CHYMOTRYPSIN.
SMART; SM00020; Tryp_SPc; 1.
PROSITE; PS50240; TRYPSIN_DOM; 1.
PROSITE; PS00134; TRYPSIN_HIS; UNKNOWN_1.
PROSITE; PS00135; TRYPSIN_HIS; UNKNOWN_1.
Hydrolase; Protease; Serine protease.
Kydrolase; Protease; Serine protease.
SEQUENCE 254 AA; 28042 MW; AA9E38BEBDD01861 CRC64;
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
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  01-MAR-2003 (TrEMBLrel. 23, Created)
01-MAR-2003 (TrEMBLrel. 23, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Variant form hippostasin/KLK11.
   HSSP; P00760; 1EZX.

MEROPS; S01.297; -.

MGD; MGI:2447533; Klk15.

GO; GO:0004263; F:chymotrypsin activity; IEA.

GO; GO:0004295; F:peptidase activity; IEA.

GO; GO:0006508; P:proteolysis and peptidolysis; IEI

InterPro; IPR001254; Peptidase S1.

InterPro; IPR001314; Peptidase S1A.

InterPro; IPR009003; Pept Ser Cys.

Pfam; PF00089; Trypsin; 1.
  11;
   299:305-311 (2002)
   Adams M., Mural R.;
Submitted (SEP-2002) to the EMBL/GenBank/DDBJ control of SIMILARITY: Belongs to peptidase family S1 EMBL; AY152434; AAN78422.1; -. HSSP; P00760; 1EZX.
  Match 44.3%; Score 608; DB 2; Local Similarity 49.0%; Pred. No. 7.9e-41 les 124; Conservative 30; Mismatches 7
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  SVQPLPLPNDCATAGTECHVSGWGITNHPRNP-
  the
  PRT;
   of
   Commun.
                      Olsson A.Y., Lundwall A.; "Organization and evolution
   241
  PRELIMINARY;
   Res.
  GVYTYICKYVDWI
  GVYTKVCSYLEWI
  SEQUENCE FROM N.A.
TISSUE=Prostate;
Nakamura T., Mitsui S.
Submitted (JAN-2002) t
  Homo sapiens (Human)
   Biochem. Biophys.
  Name=KLK11
  [2]
SEQUENCE
  61
   123
   229
  63
   119
  172
   Q8IXD7
   Query Ma
Best Loc
Matches
  RESULT 11
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  125
   183
   242
  244
  123
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  25
   FLLLCVLGLSQAATPKIFNGTECGRNSQPWQVGLFEGTSLRCGGVLIDHRWVLTAAHCSG
  | : | | | | : | : | | | | : | | | | | : | : | : | : | : | : | | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | 
  LLTAAHCRK
  SRYWVRLGEHSLSQLDWTEQIRHSGFSVTHPGYLGA--STSHEHDLRLLRLRLPVRVTSS
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   MVCAG-GVPGQDACQGDSGGPLVCGGVLQGLVSWGSVGPCGQDGIPGVYTYICKYVDWIR
   Gaps
   IRMIMRNN
   Craniata; Vertebrata; Euteleostomi;
Sciurognathi; Muridae; Murinae; Rattus
   IRETMKRN
  ; Mus
   Craniata; Vertebrata; Euteleostomi; Sciurognathi; Muridae; Murinae; Mus
   4.
  an
FIALALVIGHVGGETRIIKGYECRPHSQPWQVALFQKTRLLCGATLIAPKW
  PubMed=15203212; DOI=10.1016/j.ygeno.2004.01.009; Olsson A.Y., Lilja H., Lundwall A.; "Taxon-specific evolution of glandular kallikrein genes and identification of a progenitor of prostate-specific antigen. Genomics 84:147-156(2004).
-!- MISCELLANEOUS: The sequence shown here is derived from a EMBL/GenBank/DDBJ third party annotation (TPA) entry.
  Length 250;
   Indels
   Last sequence update)
Last annotation update)
  update)
on update
   Potential.
glandular kallikrein
247B29D3F0DEF8F1 CI
  Score 610; DB 2; I
Pred. No. 5.4e-41;
7; Mismatches 90;
  Created)
Last sequence up
Last annotation
   250
   Created)
  PRT;
   PRT;
   precursor
   37;
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   18
250
27630 MW;
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Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Rodentia;
NCBI_TaxID=10116;
   cn
1 Similarity 46.7%;
115; Conservative 3
  28,
28,
28,
  23,
23,
26,
   Synonyms=KLK15;
   25-OCT-2004 (Tremblies. Glandular kallikrein 11 F
Name=Klk11;
Rattus norvegicus (Rat).
   (TrEMBLrel. (TrEMBLrel. (TrEMBLrel.
   PRELIMINARY;
  PRELIMINARY;
  (TrEMBLrel. (TrEMBLrel. (TrEMBLrel.
  (Mouse)
   Eukaryota; Metazoa;
Mammalia; Eutheria;
  248
   250
  250 AA;
   SEQUENCE FROM N.A
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NCBI_TaxID=10090;
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   EVMRNN
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25-OCT-2004
25-OCT-2004
25-OCT-2004
  Q8CGR4;
Q8CGR4;
01-MAR-2003
01-MAR-2004
01-MAR-2004
Prostin.
Name=Klk15;
  243
  99
  191
  198
  SEQUENCE
   Query Mac
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   126
  186
   245
  Match
   184
  EQUENCE
   EMBL; ESignal.
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SIGNAL
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  * | | :: | | : | | KVCHYLEWIRETMKRN
  LLCVLGLSQAAT--
  Sci.
   Homo sapiens (Human)
  Local Similarity
les 120; Conser
   Proc. Natl. Acad.
  NCBI_TaxID=9606;
  233
  α
  63
   121
  174
   240
  Query Match
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  HUMAN
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  RESULT
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  155
   242
   I | | | ::
CNQSLQGII
   TESUENCE FROM N.A.

TISSUE=PCR rescued clones;

MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;

A Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,

Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,

Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

A Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,

A Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

A Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,

Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,

Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

Roback S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,

A Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,

A Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,

Rahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
   3 LSIFLLLCVLGLSQAATPKIFNGTECGRNSQPWQVGLFEGTSLRCGGVLIDHRWVLTAAH
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  FINISL PINKDHRNDIMLVKMASPVSITWAVRPLTLSSRCVTAGTSCLISGWGSTSSPQLRL
  SGFSVTHPG
   CGGVLQGLV
   Gaps
   Ä.
  or G.D.,
N.K.,
   E
E
   Euteleostomi;
   .`
0
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Catarrhini; Hominidae; Homo
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GO; GO: 0008233; F: peptidase activity; IEA.
GO; GO: 0004295; F: trypsin activity; IEA.
GO; GO: 0006508; P: proteolysis and peptidolysis; IEA.
InterPro; IPR001254; Peptidase_S1.
InterPro; IPR001314; Peptidase_S1A.
InterPro; IPR009003; Pept_Ser_Cys.
   Created)
Last sequence update)
Last annotation update)
  88;
   275
  ; DB 2;
3.1e-40;
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  ed. No. 3.1e
Mismatches
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SMART; SM00020; Tryp_SPc; 1.
PROSITE; PS00134; TRYPSIN_HIS; UNKNOWN_1.
PROSITE; PS00135; TRYPSIN_HIS; UNKNOWN_1.
PROSITE; PS00135; TRYPSIN_SER; 1.
""Arolase; Protease; Serine protease.
""Arolase; Protease; Serine protease.
  Score 601;
Pred. No. 3
   OGISIO PRELIMINARY; PRT; 25
OGISIO;
05-JUL-2004 (TrEMBLrel. 27, Created)
05-JUL-2004 (TrEMBLrel. 27, Last sequen
25-OCT-2004 (TrEMBLrel. 28, Last annota
Kallikrein 15, isoform 4 preproprotein.
  35;
  Homo sapiens (Human).
Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
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   to
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EMBL; AB078780; BAC54105.1
HSSP; P00760; 1EZX.
  Conservative
   Local Similarity
les 121; Conser
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   CSG--
  63
  183
   63
   98
   123
   Query Match
   4
  215
  243
   Matches
  Best
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Q6ISI0
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63
  62
  15,000 full-length human
  --PKIFNGTECGRNSQPWQVGLFEGTSLRCGGVLIDHRWVLTAAHC
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  GVYPGRITSNMVCAGGV-PGQDACQGDSGGPLVCGGVLQGLVSWGSVGPCGQDGIPGVYT
Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G., Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C., Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J. Jones S.J., Marra M.A.; "Generation and initial analysis of more than 15,000 full-length and mouse cDNA sequences.";
  SPECIFICITY
  D.
   SEQUENCE FROM N.A., ALTERNATIVE SPLICING, AND TISSUE SPECIFI PubMed=11010966; DOI=10.1074/jbc.M005432200; Yousef G.M., Scorilas A., Jung K., Ashworth L.K., Diamandis
   255
   Eutel
  Indels
   databases
  Length
   CRC64;
  KLKF HUMAN STANDARD; PRT; 256 AA. Q9H2R5; Q9H2R5; Q9H2R3; Q9H2R4; Q9H2R6; Q9HBG9; 16-OCT-2001 (Rel. 40, Last sequence update) 25-OCT-2004 (Rel. 45, Last annotation update) Kallikrein 15 precursor (EC 3.4.21.-) (ACO protease)
   Vertebrata; Hominidae;
   99:16899-16903 (2002)
  86;
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SEQUENCE 255 AA; 28016 MW; 1581B784D4A39C4F
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Pred. No. 4.2e-40;
32; Mismatches 86
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TISSUE=PCR rescued clones;
Director MGC Project;
Submitted (APR-2004) to the EMBL/GenBank/DDBJ (-1-SIMILARITY: Belongs to peptidase family S1EMBL; BC069480; AAH69518.1; -.
EMBL; BC069480; AAH69480.1; -.
HSSP; P00761; 1AKS.
  Ø
   GO; GO: 0004263; F: chymotrypsin activity; IEA. GO; GO: 0004295; F: trypsin activity; IEA. GO; GO: 0006508; P: proteolysis and peptidolysis InterPro; IPR001254; Peptidase_S1. InterPro; IPR001314; Peptidase_S1A. InterPro; IPR009003; Pept_Ser_Cys.
  Craniata; Ve
Catarrhini;
  PRINTS; PR00722; CHYMOTRYPSIN.
SMART; SM00020; Tryp SPc; 1.
PROSITE; PS50240; TRYPSIN DOM; 1.
PROSITE; PS00134; TRYPSIN HIS; UNKNOWN 1
   VQPLPLPNDCATAGTECHVSGWGITNH--
  InterPro; IPR009003; Pept_Ser_Cys. Pfam; PF00089; Trypsin; 1. PRINTS; PR00722; CHYMOTRYPSIN.
  32;
   U.S.A.
  Bukaryota; Metazoa; Chordata;
Mammalia; Butheria; Primates;
  248
   255
   43.6%;
ilarity 46.9%;
Conservative 33
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   collaboration
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   EMBL; AF242195; AAG09469.1; -.

EMBL; AF242195; AAG09470.1; -.

EMBL; AF242195; AAG09471.1; -.

EMBL; AF242195; AAG09472.1; -.

EMBL; AF243527; AAG33354.1; -.

EMBL; X75363; CAA53145.1; ALT_SEQ.

HSSP; P00760; 1EZX.

MEROPS; S01.081; -.

Genew; HGNC:20453; KLK15.

Go; GO:0005576; C:extracellular; NAS.

GO; GO:0004252; F:serine-type endopeptidase activity; NAS.

GO; GO:0006508; P:proteolysis and peptidolysis; NAS.

InterPro; IPR009003; Peptidase_S1.

InterPro; IPR001254; Peptidase_S1.

InterPro; IPR001314; Peptidase_S1.
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   ρı
   ō
  ., McCuai
   S1 family. Kallikre
   from human brain.";
   PRELIMINARY PARTIAL SEQUENCE FROM N.A.
TISSUE=Brain;
MEDLINE=94289486; PubMed=8018728; DOI=10.1016/0167-4781(94)
   of the serine protease region.";
  mRNA
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   in the thyroid
od adrenal gland
  ď
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Note=May be produced at very_low levels due to a codon in the mRNA, leading to nonsense-mediated
  IsoId=Q9H2R5-3; Sequence=VSP_005406, VSP_005407
   SPLICE ISOFORM(S) THAT ARE POTENTIAL NWD TARGET(S).
PubMed=14759258; DOI=10.1186/gb-2004-5-2-r8;
Hillman R.T., Green R.E., Brenner S.E.;
"An unappreciated role for RNA surveillance.";
Genome Biol. 5:RESEARCH008.1-RESEARCH008.16(2004).
-!- FUNCTION: Protease whose physiological substrate
-!- SUBCELLULAR LOCATION: Secreted (Probable).
-!- ALTERNATIVE PRODUCTS:
Event=Alternative splicing; Named isoforms=4;
  >=VSP_005405;
very_low levels due to
   PubMed=11054574; DOI=10.1016/S0378-1119(00)00382-6; Gan L., Lee I., Smith R., Argonza-Barrett R., Lei H. Moss P., Paeper B., Wang K.; "Sequencing and expression analysis of the serine proluster located in chromosome 19q13 region."; Gene 257:119-130(2000).
       gene
    kallikrein 15
  and
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SIMILARITY: Belongs to the peptidase S1
   Dihanich M.E., Spiess M.;
"A novel serine proteinase-like sequence
Biochim. Biophys. Acta 1218:225-228(1994)
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PROSITE; PS50240; TRYPSIN_DOM; 1.
PROSITE; PS00134; TRYPSIN_HIS; 1.
PROSITE; PS00135; TRYPSIN_SER; FALSE_NEG.
cloning of the human } in prostate cancer."; sem. 276:53-61(2001).
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  MEDLINE=20525460; PubMed=11072088; DOI=10.1016/S0167-4781(00)00206-2 Mitsui S., Okui A., Kominami K., Vemura H., Yamagushi N.; "cDNA cloning and tissue-specific splicing variants of mouse hippostasin/TLSP (PRSS20).";
   Gaps
   y similarity).
y similarity).
y similarity).
(Potential).
  Euteleostomi; Murinae; Mu
   8
  (Potential)
  16;
  (in Ref.
                          (Potential)
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Submitted (JUL-1998) to the EMBL/GenBank/DDBJ databases
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Missing (in isoform 2).
/FTId=VSP 005405.
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Sciurognathi; Muridae;
  /FTId=VSP 005406.
Missing (in isoform 3)
/FTId=VSP 005407.
SHNEPGTAGSPRSQ -> PLSS
                        Activation peptide (Exallikrein 15.
Charge relay system (Charge relay system (Charge relay system (N-linked (GlcNAc...
N-linked (GlcNAc...
Missing (in isoform 4
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Last sequence update)
Last annotation updat
  88;
                        peptide
15.
  ; DB 1;
4.2e-40;
Hydrolase;
   Score 599; DB Pred. No. 4.2e 32; Mismatches
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   1494:206-210(2000)
Glycoprotein,
  PRT;
  32;
   248
  256
   160 S
28087 MW;
  Mus musculus (Mouse).
Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Rodentia;
  43.6%;
   13,
  | :| |:||| |: |
TKVCHYLEWIRETMKRN
   TYICKYVDWIRMIMRNN
   (PRSS20).
  Conservative
   PRELIMINARY;
   (TrEMBLrel.
(TrEMBLrel.
(TrEMBLrel.
                  16
21
21
25
62
106
209
232
232
206
  256
  256
  161
splicing
   Hippostasin.
Name=2310015108Rik;
  256 AA;
   Similarity
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01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
Hippostasin prostate type (Mus musculus adult male tongue cDNA, Full-length enriched library, clone:2310015108 product:protease, serine, 20, full insert sequence) (Mus musculus adult male tongue cDNA, RIKEN full-length enriched library, clone:2310040F07 product:protease, serine, 20, full insert sequence).
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MEDLINE=20525460; PubMed=11072088; DOI=10.1016/S0167-4781(00)
Mitsui S., Okui A., Kominami K., Uemura H., Yamagushi N.;
"cDNA cloning and tissue-specific splicing variants of mouse hippostasin/TLSP (PRSS20).";
Biochim. Biophys. Acta 1494:206-210(2000).
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No. 5.4
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InterPro; IPR001314; Peptidase_S1A.

InterPro; IPR009003; Pept_Ser_Cys.

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Conservative 33
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Submitted (JUL-1998) t
[3]
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Grakawa T., Alzawa K., Akahira S., Akimura T., Arai A., Aono H.,
Arakawa T., Bono H., Carninci P., Fukuda S., Fukunishi Y., Furuno M.,
Hanagaki T., Hara A., Hayatsu N., Hiramoto K., Hiraoka T., Hori F.,
Matsuyama T., Ishii Y., Itoh M., Izawa M., Kasukawa T., Kato H.,
Matsuyama T., Kojima Y., Konno H., Kouda M., Koya S., Kurihara C.,
Matsuyama T., Miyazaki A., Nishi K., Nomura K., Numazaki R., Ohno M.,
Okazaki Y., Okido T., Owa C., Saito H., Saito R., Sakai C., Sakai K.,
Sano H., Sasaki D., Shibata K., Shibata Y., Shinagwa A., Shiraki T.,
Sano H., Sasaki D., Shibata Y., Shinagwa A., Takhashi F., Tanaka T.,
Tejima Y., Toya T., Yamamura T., Yasunishi A., Yoshida K., Yoshino M.,
Muramatsu M., Hayashizaki Y.;
Submitted (JUL-2000) to the EMBL/GenBank/DDBJ databases.
L. SIMILARITY: Balologs to peptidase family S1.

Submitted (JUL-2000) to peptidase family S1.

RMBL; AK009360; BAB26461.2; -.
RMBL; AK009360; BAB26461.2; -.
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STRAIN=C57BL/6J; TISSUE=Tongue;

STRAIN=C57BL/6J; TISSUE=Tongue;

Shibata K., Itoh M., Aizawa K., Nagaoka S., Sasaki N., Carninci P., Shibata K., Itoh M., Aizawa K., Kitsunai T., Tashiro H., Itoh M., Sumi N., Ishii Y., Nakamura S., Hazama M., Nishine T., Harada A., Yamamoto R., Matsumoto H., Sakaguchi S., Ikegami T., Kashiwagi K., Yamamoto R., Inoue K., Togawa Y., Izawa M., Ohara E., Watahiki M., A Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsuura S., Kawai J., A Okazaki Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y., A Okazaki Y., Riken integrated sequence analysis (RISA) system-384-format Genome Res. 10:1757-1771(2000).
   SEQUENCE FROM N.A.
STRAIN=C57BL/6J; TISSUE=Tongue;
MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100;
Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itoh M., Konno H., Okazaki Y., Muramatsu M., Hayashizaki Y.;
Konno H., Okazaki Y., Muramatsu M., Hayashizaki Y.;
"Normalization and subtraction of cap-trapper-selected cDNAs to prepare full-length cDNA libraries for rapid discovery of new genes."
Genome Res. 10:1617-1630(2000).
   DOI=10.1016/S0076-6879(99)03004-9
   annotation
   "Functional annotation of a full-length mouse cDNA collection."; Nature 409:685-690(2001).
   Team;
   SEQUENCE FROM N.A.
STRAIN=C57BL/6J; TISSUE=Tongue;
The FANTOM Consortium,
the RIKEN Genome Exploration Research Group Phase I & II
"Analysis of the mouse transcriptome based on functional
60,770 full-length cDNAs.";
Nature 420:563-573(2002).
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STRAIN=C57BL/6J; TISSUE=Tongue;
MEDLINE=99279253; PubMed=10349636;
Carninci P., Hayashizaki Y.;
"High-efficiency full-length cDNA c
Meth. Enzymol. 303:19-44(1999).
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Hydrolase; Protease; Serine protease.
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